FOAMPARTNER
best in foam

Portfolio Catalogue

Specialty Foams for Automotive, Industrial and Comfort Applications

A World of Foam

Trendsetting market leader in polyurethane foam technology
FoamPartner is a leading producer and converter of best-in-class foam solutions. Our range of products comprises over 200 polyether and polyester PUR foams for automotive, industrial, and comfort applications. Top quality standards at our global production and conversion sites ensure that our products meet our customers' highest demands for performance, functionality, and aesthetics.

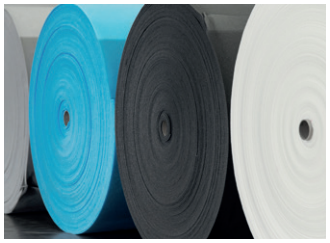
Best-in-class foam solutions are developed jointly with our clients
FoamPartner is structured into five business units, driving innovation and growth by leveraging market and application know-how globally: Acoustic & Thermal Solutions, Automotive Rolls, Systems, Specialties, Living & Care.

For the automotive sector, FoamPartner offers acoustically and thermally effective components for sound absorption in vehicle interiors or exterior areas, such as for engine compartments, transmission tunnels, and bulkheads. Automotive rolls of a length of up to 120 meters are the foams of choice for use in vehicle interiors, such as for headliners, seats, and door panels. Furthermore, FoamPartner also offers two-component PUR foam systems for the mobility sector, covering the entire spectrum of system formulations, from flexible to integral and rigid foam solutions.

As foams are versatile materials, our products are also used in manifold industrial applications, ranging from sponges for professional and household cleaning or polishing pads for paint treatment, to foams for ceramic filters used in metal processing or packaging systems for the watch and jewelry industry – just to name a few examples. FoamPartner is able to provide a diverse range of functional foam solutions for many other industrial applications.

For comfort and care applications, FoamPartner designs, manufactures and processes a wide range of custom foam cores for innovative and ergonomic mattresses and pillows. High-level sleep or sitting comfort, excellent quality, and variable firmness and density allows for all kinds of options for implementation. Furthermore, as an all-around-solution provider, customers can also benefit from logistic and marketing concepts.

Acoustic & Thermal Solutions
Competence in tailored lightweight solutions



Automotive Rolls
Innovation and efficiency

Systems
Agility and customization is our promise

Specialties
Innovator in technical foam applications

Living & Care
All-in-one foam solutions for comfortable sleep

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Chapter 1

Core Portfolio of Foams

Polyester and polyether PUR foams are versatile materials and therefore useful for a variety of applications. The defining characteristics of our polyester PUR products include their impact-absorbing properties, excellent resistance to aging, and high compression load deflection. Polyether PUR foams are known for their outstanding thermal insulation properties, distinct hydrolysis stability, and very high resilience.

Polyester PUR Foams

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Product	Product group	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798
B 20 N/H	Polyester PUR foam	20	4.0	> 100	> 100
B 20 NF/H	Polyester PUR foam	20	4.5	> 100	> 100
B 22 H	Polyester PUR foam	22	4.5	> 120	> 100
B 22 H-FR	Polyester PUR foam	22	4.0	> 120	> 100
B 22 N	Polyester PUR foam	22	3.0	> 130	> 230
B 25 ASR	Polyester PUR foam	25	4.0	> 140	> 180
B 25 H	Polyester PUR foam	25	5.0	> 130	> 100
B 25 N	Polyester PUR foam	25	3.5	> 130	> 240
B 25 N-FR	Polyester PUR foam	25	3.5	> 130	> 230
B 25 ST-FR	Polyester PUR foam	25	5.0	> 150	> 100
B 27 AT	Polyester PUR foam	27	4.5	> 150	> 150
B 27 BF	Polyester PUR foam	27	4.0	> 150	> 240
B 28 N	Polyester PUR foam	28	4.0	> 170	> 240
B 32 N	Polyester PUR foam	32	3.5	> 170	> 250
B 32 ST	Polyester PUR foam	32	5.0	> 110	> 150
B 45 N	Polyester PUR foam	45	4.5	> 160	> 250
B 50 N	Polyester PUR foam	50	5.5	> 150	> 200
B 55 N	Polyester PUR foam	55	5.5	> 150	> 200
B 65 N	Polyester PUR foam	65	7.0	> 120	> 150
B 75 N	Polyester PUR foam	75	7.5	> 130	> 180

* *The indicated data refer to typical values and slight variations are in general within the specification.*
Please consult your local sales representative at FoamPartner to obtain the actual product data sheet with the latest technical product details.

Polyester PUR Foams

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Product	Product group	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Pores per inch REGI RPA-1002
RegiLen 20 HS	Polyester PUR foam	20	20	> 140	> 60	49
RegiLen 2140	Polyester PUR foam	22	4	> 170	> 100	57
RegiLen 2255	Polyester PUR foam	22	4.5	> 160	> 80	59
RegiLen 2330	Polyester PUR foam	23	3	> 140	> 200	-
RegiLen 25 X FR/60 ppi	Polyester PUR foam	25	4	> 140	> 200	60
RegiLen 2870/60 ppi	Polyester PUR foam	28	5.8	> 160	> 100	67
RegiLen 29 HS	Polyester PUR foam	29	> 50	> 280	> 20	49
RegiLen 30 X/80 ppi	Polyester PUR foam	29	4.5	> 160	> 130	73
RegiLen 2870	Polyester PUR foam	30	5.5	> 160	> 120	84
RegiLen 30 SV GA	Polyester PUR foam	30	4.5	> 140	> 110	65
RegiLen 30 SV GA UV	Polyester PUR foam	30	4.5	> 120	> 110	65
RegiLen 3165	Polyester PUR foam	30	6.0	> 170	> 80	63
RegiLen 29 HS FR	Polyester PUR foam	31	50	> 200	> 20	49
RegiLen 33 FR/15 ppi	Polyester PUR foam	36	5	> 55	> 40	15
RegiLen 33 FR/20 ppi	Polyester PUR foam	37	4.5	>80	> 60	20
RegiLen 33 FR/25 ppi	Polyester PUR foam	35	4.5	> 80	> 80	25
RegiLen 33 FR/30 ppi	Polyester PUR foam	35	4	> 90	> 90	31
RegiLen 33 FR/45 ppi	Polyester PUR foam	34	4	> 100	> 120	45
RegiLen 30 X FR/80 ppi	Polyester PUR foam	32	4	> 160	>150	73
RegiLen 4450	Polyester PUR foam	46	5.0	> 160	> 150	67
RegiLen 4770	Polyester PUR foam	47	7	> 140	> 100	88
RegiLen 5070 E	Polyester PUR foam	50	7	> 200	> 180	-
RegiLen 55 SV HFR	Polyester PUR foam	57	6	> 150	> 150	79
RegiLen 7550 AS	Polyester PUR foam	75	5	140	150	-

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Polyether PUR Foams

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Product	Product group	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Bun height net [mm]
B 1625	Polyether PUR foam	16	2.5	> 70	> 100	1200
B 1840	Polyether PUR foam	18	3.5	> 80	> 100	1200
B 2240	Polyether PUR foam	22	4.0	> 100	> 120	1200
B 2240	Polyether PUR foam	22	4.0	> 100	> 120	1100
B 2240 I	Polyether PUR foam	22	4.0	> 100	> 120	1120
B 2530	Polyether PUR foam	25	3.0	> 90	> 90	1240
B 2550	Polyether PUR foam	25	4.5	> 90	> 90	1240
B 2550	Polyether PUR foam	25	4.5	> 90	> 90	1150
B 2840 FR	Polyether PUR foam	28	4.0	> 80	> 140	1050
B 3025	Polyether PUR foam	30	2.5	> 80	> 100	1200
B 3030	Polyether PUR foam	30	3.0	> 100	> 110	1200
B 3045	Polyether PUR foam	30	4.5	> 80	> 100	1200
B 3360	Polyether PUR foam	33	6.0	> 90	> 80	1150
B 3515 HS	Polyether PUR foam	35	1.5	> 70	> 200	900
B 3525	Polyether PUR foam	35	2.5	> 80	> 100	1180
B 3530	Polyether PUR foam	35	3.0	> 80	> 100	1180
B 3540	Polyether PUR foam	35	4.0	> 80	> 100	1220
B 3825	Polyether PUR foam	38	2.5	> 80	> 180	1200
B 3840	Polyether PUR foam	38	4.0	> 100	> 100	1210
B 3850	Polyether PUR foam	38	5.0	> 100	> 100	1130
B 4060	Polyether PUR foam	40	6.7	> 140	> 110	1100
B 4519 HSE	Polyether PUR foam	45	1.9	> 70	> 120	940
B 5025 GT	Polyether PUR foam	50	2.5	> 80	> 130	780
B 5030	Polyether PUR foam	50	3.0	> 70	> 180	900
B 5080	Polyether PUR foam	50	8.0	> 150	> 120	900
B 7595	Polyether PUR foam	75	9.5	> 120	> 100	650

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Polyether PUR Foams

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Product	Product group	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Bun height net [mm]
LM 2033	Polyether PUR foam	20	3.0	150	230	1020
LMW 2027	Polyether PUR foam	20	2.7	130	230	960
AF 2512	Polyether PUR foam	25	1.5	180	400	490
HL 2551	Polyether PUR foam	25	5.1	130	120	940
SKT 2537	Polyether PUR foam	25	3.5	150	220	960
THE 2519	Polyether PUR foam	25	1.9	110	300	940
MT 3035	Polyether PUR foam	30	3.5	160	200	960
MTC 3039	Polyether PUR foam	30	3.9	150	220	780
HyPore 30 FR	Polyether PUR foam	35	3.9	100	100	500
LS 3564	Polyether PUR foam	35	5.6	200	150	900
LT 3541	Polyether PUR foam	35	4.1	150	220	960
LTH 3547	Polyether PUR foam	35	4.7	150	170	970
LR 4872	Polyether PUR foam	48	6.7	170	120	830
SLT 5880	Polyether PUR foam	58	8.0	150	120	670
SET 80100	Polyether PUR foam	80	11.0	250	160	600
SHT 100120	Polyether PUR foam	100	12.0	220	150	450
SRT 110190	Polyether PUR foam	110	19.0	300	180	380
HDH 35100	Polyether PUR foam	32	11.0	280	100	750
HDH 60190	Polyether PUR foam	60	19.0	300	100	630
Supra 3025 FR	Polyether PUR foam	30	2.5	110	130	700
Supra 5458 FR	Polyether PUR foam	54	5.8	100	80	860
TEX 4030	Polyether PUR foam	40	3.0	100	200	980
TEX 4040	Polyether PUR foam	40	4.0	130	170	960
TEX 4350	Polyether PUR foam	43	5.5	140	180	800
TEX 4848	Polyether PUR foam	48	4.8	110	160	830

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Chapter 2

Acoustic and Thermal Solutions for Automotive Applications

FoamPartner offers acoustically and thermally effective components for automotive interior and exterior applications. We manufacture flexible and semirigid polyether PUR as well as polyester PUR foams. We also work with renowned partners in order to provide further customer-specific materials such as melamine foams or processes such as lamination. Our foam solutions are particularly light, making them suitable for thermoforming. They absorb noise and boast outstanding fire-retardant properties. Thanks to their light weight and high inherent stability, these foams are ideal for vehicle interiors and exterior engine bays in both cars and trucks. Additional advantages include their optimal acoustic properties and excellent suitability for processing.

Sound Absorption and Reinforcement for Exterior Applications

Product	Product group	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Burn rate [mm/min] FMVSS 302	Compression set [%] DIN ISO 1856 (50%, 70°C, 22 h)	Colours
BMB 12 AR	Melamine foam, hydro- and oleophobic	13	> 5 (first Cycle)	> 100	> 10	0	-	
BMB-10 H	Melamine foam, hydrophobic	9.5	> 5 (first Cycle)	> 100	> 10	0	-	
BMB-10 P	Melamine foam	9	> 9 (first Cycle)	> 120	> 18	0	-	
BMB-6	Melamine	6	> 3.5 (first Cycle)	> 40	> 10	0	-	
BMB-6 H	Melamine, hydrophobic	6	> 3.5 (first Cycle)	> 40	> 10	0	-	
FlexiDur NG	Polyether PUR foam	14	> 16 (first Cycle)	> 40	> 20	0	-	
FlexiDur NGL	Polyether PUR foam	13	> 16 (first Cycle)	> 40	> 20	< 100	-	
RegiLen 25 X FR	Polyester PUR foam	25	> 3	> 140	> 200	< 100	-	
RegiLen 28 X FR	Polyester PUR foam	28	> 4	> 150	> 120	< 100 SE<1 s	-	
RegiLen 30 SVGA	Polyester PUR foam	27	> 3,5	> 140	> 110	< 100 UL94: HF1	-	

Combined solutions with PUR foams, non-wovens and other materials can be offered on request.

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Sealing Foams for Exterior Applications

Product	Product group	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Burn rate [mm/min] FMVSS 302	Compression set [%] DIN ISO 1856 (50%, 70°C, 22 h)	Colours
RegiSeal Aqua	Prepolymer polyether PUR foams	32	> 11.0	> 100	> 50	< 100	< 10	○●
RegiSeal TN 30 FR	Prepolymer polyether PUR foams	33	> 4.5	> 100	> 130	< 100	< 11	○●
RegiSeal 50 FR	Polyester PUR foam	49	> 4.5	> 180	> 170	< 100	< 11	●

Sound Absorption and Sealing for Interior Applications

Product	Produktgruppe	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Burn rate [mm/min] FMVSS 302	Compression set [%] DIN ISO 1856 (50%, 70°C, 22 h)	Colours
B 75 N-LF	Polyester PUR foam	75	> 7.5	> 130	> 180	< 100	< 5	●
B 2840 FR-LF	Polyester PUR foam	28	> 6.5	> 80	> 140	< 100	< 10	○●
B 3540 PFK-LF	Polyester PUR foam	35	> 4	> 90	> 150	< 100	< 6	○●
B 42 FLE- LF	Polyester PUR foam	42	> 5	> 150	> 220	< 100	< 7	●
RegiSeal Aqua	Prepolymer polyether PUR foams	32	> 11.0	> 100	> 50	< 100	< 10	●
RegiSeal TN 25 FR X	Prepolymer polyether PUR foams	25	> 3.5	> 100	> 130	< 100	--	
RegiSeal TN 30 FR	Prepolymer polyether PUR foams	33	> 4.5	> 100	> 130	< 100	< 11	●
RegiSeal TN 30 FR X	Prepolymer polyether PUR foams	33	> 5	> 90	> 90	< 100	< 5	●

Combined solutions with PUR foams, non-wovens and other materials can be offered on request.

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Reinforcement for Interior Applications

Product	Product group	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Burn rate [mm/min] FMVSS 302	Compression set [%] DIN ISO 1856 (50%, 70°C, 22 h)	Colours
EvoDur RD 32	Polyether PUR foam, semi-rigid	31	> 85	> 220	> 11	< 100	-	
EvoDur RD 37	Polyether PUR foam, semi-rigid	33	> 125	> 250	> 10	-	-	

Combined solutions with PUR foams, non-wovens and other materials can be offered on request.

Sound Absorption Soft Touch for Interior Applications

Product	Product group	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Burn rate [mm/min] FMVSS 302	Compression set [%] DIN ISO 1856 (50%, 70°C, 22 h)	Colours
B 55 N-LF	Polyester PUR foam	55	> 5.5	> 150	> 200	< 100	-	
HyPore 4270	Prepolymer polyether PUR foam	42	> 7	> 150	> 100	< 100	-	
RegiSeal Aqua	Prepolymer polyether PUR foam	32	> 11	> 100	> 50	< 100	-	
RegiSeal TN 30 FR LF	Prepolymer polyether PUR foam	33	> 5	> 90	> 90	< 100	-	
RegiSeal TN 30 FR X	Prepolymer polyether PUR foam	33	> 5	> 90	> 90	< 100	-	

Combined solutions with PUR foams, non-wovens and other materials can be offered on request.

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Chapter 3

Automotive Rolls

FoamPartner develops and produces automotive rolls in lengths of up to 120 meters for use in headliners, seats, door panels, and other interior vehicle applications. Our portfolio comprises polyester and polyether PUR foams in a wide range of densities to meet any specific need of the automotive industry. Our low-emission polyester PUR foams are characterized by their excellent homogeneous surface optics and good haptic properties, enabling a “soft touch” feeling. Depending on their use in headliners or seat applications, the products are available either with a fine-cell or open, crushed-cell structure. High elongation, proper thermoforming, and good recovery in critical radii are further properties of our products. Our polyether foams offer low fogging properties and are easy to process, allowing either flame or glue lamination. A flame-protected finish can be offered if required. We also produce special polyether foams that have homogeneous and fine cells like a PUR ester. This kind of foam is especially for use with headliner applications.

Headliner

Product	Product group	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Compression set [%] DIN ISO 1856 (50%, 70°C, 22 h)	Fogging gravimetric [mg] DIN 75201 - B
B 28 BF-LF	Polyester PUR foam	28	4.2	> 140	> 170	< 10	< 1
B 28 FLE-LF	Polyester PUR foam	28	4.5	> 140	> 170	< 10	< 1
B 29 A/F/O-LF	Polyester PUR foam	29	4.0	> 150	> 250	< 20	< 1
B 35 A/GP-LF	Polyester PUR foam	35	4.5	> 150	> 200	< 10	< 1
B 35 BLE-LF	Polyester PUR foam	35	4.5	> 170	> 200	< 10	< 1
B 35 FLE-LF	Polyester PUR foam	35	4.5	> 170	> 200	< 10	< 1
B 42 BLE-LF	Polyester PUR foam	42	5.0	> 150	> 220	< 10	< 1
B 42 FLE-LF	Polyester PUR foam	42	5.0	> 150	> 220	< 7	< 1
B 42 GP-LF	Polyester PUR foam	42	4.5	> 150	> 220	< 10	< 1
B 46 BLE-LF	Polyester PUR foam	46	5.0	> 120	> 160	< 10	< 1
B 48 N-LF	Polyester PUR foam	48	5.5	> 150	> 200	< 5	< 1
B 50 N-LF	Polyester PUR foam	50	5.5	> 150	> 200	< 5	< 1
B 52 A-LF	Polyester PUR foam	52	6.0	> 150	> 300	< 5	< 1
B 55 A-LF	Polyester PUR foam	55	6.0	> 150	> 220	< 5	< 1
B 55 N-LF	Polyester PUR foam	55	5.5	> 150	> 200	< 5	< 1
OBoSky 2950 T Basic	Prepolymer polyether PUR foam	29	5.0	> 90	> 130	< 7	< 1
OBosky 2950 T	Prepolymer polyether PUR foam	29	4.0	> 90	> 130	< 7	< 1
OBoSky 2950 C	Prepolymer polyether PUR foam	30	4.0	> 90	> 130	< 7	< 1
OBoSky 3540 T	Prepolymer polyether PUR foam	35	4.0	> 90	> 150	< 6	< 1
OBoSky Nature 3540 T	Prepolymer polyether PUR foam	35	4.5	> 110	> 200	< 6	< 1
OBoSky 4270 T	Prepolymer polyether PUR foam	42	7.0	> 150	> 100	< 7	< 1
OBoSky 4248 T	Prepolymer polyether PUR foam	42	4.8	> 90	> 150	< 7	< 1

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Seat Application

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Product	Product group	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Compression set [%] DIN ISO 1856 (50%, 70°C, 22 h)	Fogging gravimetric [mg] DIN 75201 - B
OBoSeat Basic 29	Polyester PUR foam	29	4.0	> 150	> 250	< 20	< 1
OBoSeat Basic 35	Polyester PUR foam	35	4.5	> 150	> 200	< 10	< 1
OBoSeat Basic 42	Polyester PUR foam	42	4.5	> 150	> 220	< 10	< 1
OBoSeat Basic 50	Polyester PUR foam	50	5.5	> 150	> 200	< 5	< 1
OBoSky Nature 3540 T	Prepolymer polyether PUR foam	35	4.0	> 90	> 150	< 7	< 1
OBoSeat 42 FLE	Polyester PUR foam	42	5.0	> 150	> 220	< 10	< 1
B 25 AS-LF	Polyester PUR foam	25	4.5	> 150	> 170	< 10	< 1
B 25 ASR-LF	Polyester PUR foam	25	4.0	> 140	> 180	< 15	< 1
B 27 ASR-LF	Polyester PUR foam	27	4.5	> 150	> 200	< 10	< 1
B 27 HSR-LF	Polyester PUR foam	27	4.0	> 150	> 200	< 10	< 1
B 29 AS-LF	Polyester PUR foam	29	4.5	> 150	> 180	< 10	< 1
B 29 ASR	Polyester PUR foam	29	4.0	> 170	> 190	< 10	n/a
B 29 ASR-LF	Polyester PUR foam	29	4.0	> 170	> 190	< 10	< 1
B 29 HSR-LF	Polyester PUR foam	29	4.0	> 140	> 150	< 10	< 1
B 32 AS-LF	Polyester PUR foam	32	4.0	> 160	> 180	< 10	< 1
B 32 ASR-LF	Polyester PUR foam	32	4.5	> 160	> 180	< 10	< 1
B 35 AS-LF	Polyester PUR foam	35	5.0	> 150	> 180	< 10	< 1
B 35 ASR-LF	Polyester PUR foam	35	5.0	> 160	> 180	< 10	< 1
B 35 HSR-LF	Polyester PUR foam	35	4.5	> 150	> 160	< 10	< 1
B 38 AS-LF	Polyester PUR foam	38	5.0	> 150	> 200	< 10	< 1
B 38 ASR-LF	Polyester PUR foam	38	5.0	> 160	> 200	< 10	< 1
B 38 HSR-LF	Polyester PUR foam	38	5.0	> 150	> 200	< 10	< 1
B 42 AS-LF	Polyester PUR foam	42	5.5	> 150	> 180	< 10	< 1
B 42 ASR-LF	Polyester PUR foam	42	5.0	> 180	> 250	< 10	< 1
B 42 FGR-LF	Polyester PUR foam	42	5.5	> 170	> 220	< 10	< 1
B 42 HSR-LF	Polyester PUR foam	42	5.0	> 150	> 200	< 10	< 1
B 45 ASR-LF	Polyester PUR foam	45	5.0	> 160	> 220	< 10	< 1
B 45 N-LF	Polyester PUR foam	45	4.5	> 160	> 250	< 10	< 1

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Seat Application

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Product	**Product group**	**Net density*** **[kg/m³]** DIN EN ISO 845	**Compression load deflection*** **[kPa]** DIN EN ISO 3386-1	**Tensile strength [kPa]** DIN EN ISO 1798	**Elongation at break [%]** DIN EN ISO 1798	**Compression set [%]** DIN ISO 1856 (50%, 70°C, 22 h)	**Fogging gravimetric [mg]** DIN 75201 - B
B 2745 FK-LF	Polyether PUR foam	27	4.5	> 100	> 170	< 10	< 1
B 2840 FR-LF	Polyether PUR foam	28	4.0	> 80	> 140	< 10	< 1
B 2932 FR-LF	Polyether PUR foam	29	3.2	> 90	> 130	< 7	< 1
B 2945 PFK-LF	Polyether PUR foam	29	4.0	> 90	> 130	< 7	< 1
B 3540 PFK-LF	Polyether PUR foam	35	4.0	> 90	> 150	< 6	< 1
B 3560 GL-LF	Polyether PUR foam	35	5.5	> 90	> 150	< 6	< 1
B 4048 PFK-LF	Polyether PUR foam	40	4.5	> 100	> 160	< 6	< 1
B 4060 FK-LF-I	Polyether PUR foam	40	5.0	> 90	> 150	< 5	< 1
B 4248 PFK-LF	Polyether PUR foam	42	4.5	> 90	> 150	< 5	< 1
B 4550 PFK-LF	Polyether PUR foam	45	5.0	> 100	> 160	< 5	< 1

* *The indicated data refer to typical values and slight variations are in general within the specification.*
Please consult your local sales representative at FoamPartner to obtain the actual product data sheet with the latest technical product details.

Door Panels and Interior

Product	Product group	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Compression set [%] DIN ISO 1856 (50%, 70°C, 22 h)	Fogging gravimetric [mg] DIN 75201 - B
OBoTrim Nature 3540 T	Prepolymer polyether PUR foam	35	4.0	> 100	> 180	< 6	< 1
B 50 H-LF	Polyether PUR foam	50	8.0	> 200	> 100	< 10	< 1
B 60 N-LF	Polyether PUR foam	60	7.0	> 120	> 150	< 5	< 1
B 65 N-LF	Polyether PUR foam	65	7.0	> 120	> 150	< 5	< 1
B 75 N-LF	Polyether PUR foam	75	7.5	> 130	> 180	< 5	< 1
B 5560 FK-LF	Polyether PUR foam	55	5.0	> 100	> 150	< 5	< 1
B 6060 GL-LF	Polyether PUR foam	60	6.5	> 120	> 150	< 5	< 1
B 6560 GL-LF	Polyether PUR foam	65	7.0	> 120	> 150	< 5	< 1
B 6560 FR-LF	Polyether PUR foam	65	6.0	> 120	> 150	< 5	< 1
B 7560 FR-LF	Polyether PUR foam	75	5.0	> 120	> 170	< 5	< 1

* *The indicated data refer to typical values and slight variations are in general within the specification.*
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Chapter 4

Sealing Foams for Industrial Applications

Sealing foams are used in many different sectors, including the automotive, appliance, and construction industries. Their main purpose is to protect equipment or machinery against liquid and volatile compounds such as water, moisture, gases, and fine particles, which could leak or penetrate into the system. Innovative materials are a must in these situations, and our sealing foams meet the most current requirements and highest standards. Our foams have extremely fine pores and are airtight, water tight, and easy to compress. They provide excellent sealing properties even under demanding conditions.

General Sealing Foams

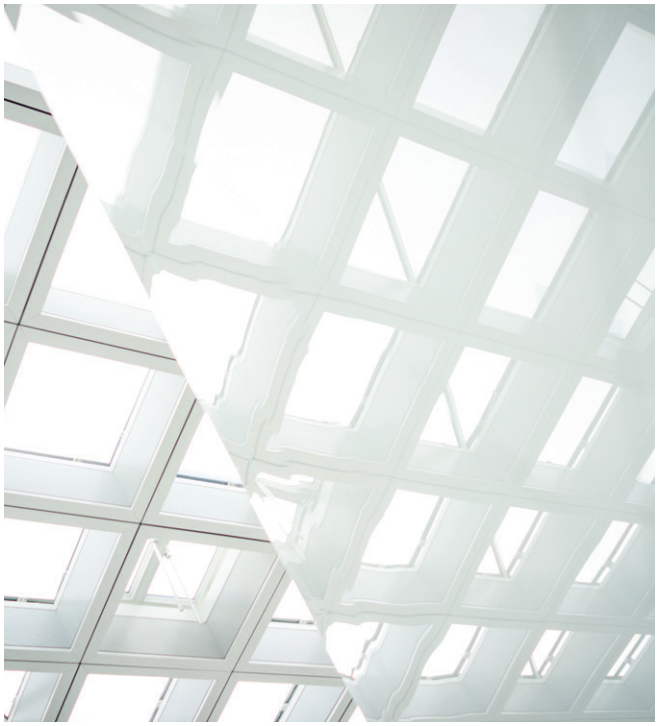
Product	Product group	Net density* [kg/m³] ISO 845	Compression load deflection* [kPa] ISO 3386-1	Tensile strengtht [kPa] ISO 1798	Elongation at break [%] ISO 1798	Air permeability [l/m²/s] ISO 9237	Density (H_2O) [h] REGI RPA-1016
RegiSeal Aqua	Prepolymer polyether PUR foam	30	11.0	> 100	60	0	--
RegiSeal TN 25 FR	Prepolymer polyether PUR foam	25	3.5	100	130	5**	--
RegiSeal TN 30 FR TS	Prepolymer polyether PUR foam	33	5.0	160	130	10**	--
RegiSeal TN 30 FR	Prepolymer polyether PUR foam	33	4.5	100	130	20**	--
RegiSeal TN 25 FR X	Prepolymer polyether PUR foam	25	3.5	100	130	100**	--
RegiSeal TN 30 FR X	Prepolymer polyether PUR foam	33	5.0	90	90	100**	--
RegiSeal TN 30 FR LF	Prepolymer polyether PUR foam	33	5.0	> 200	> 125	250**	--
RegiSeal 40	Polyester PUR foam	42	5.5	> 200	> 130	--	24 h
RegiSeal 40 FR	Polyester PUR foam	40	5.0	> 160	> 150	--	24 h
RegiSeal 50 FR	Polyester PUR foam	49	5.0	> 180	> 170	--	24 h
EVERLIGHT MORAN #730	EPDM	117	4.8	87	277	--	24 h / 70 %
EVERLIGHT MORAN #830	EPDM	91	3.8	69	253	--	24 h / 80 %
EVERLIGHT MORAN #930	EPDM	49	1	57	209	--	24 h / 80 %

*** (10 mm, 50 Pa)*

* *The indicated data refer to typical values and slight variations are in general within the specification.*
Please consult your local sales representative at FoamPartner to obtain the actual product data sheet with the latest technical product details.

Chapter 5

Specialty Foams for Construction



For the building industry we offer special foams for thermal and acoustic insulation. Our polyether-based PUR isolation foams were developed, for example, for joint sealing tapes for the insulation of windows and doors. The products are characterized by high UV light, moisture and heat resistance and are ideally suited for impregnation processes in silicone solutions.

For the acoustic insulation of buildings, rooms and other building components, we offer sound-absorbing polyethylene foams which, thanks to their closed-cell pore structure, meet the highest sound insulation class and are therefore particularly suitable for use in public buildings or road construction. The ultra-light material is water and weather resistant and is very easy to handle and install.

Isolation foams

Product	Product group	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Air permeability [l/m²/s] DIN EN ISO 9237
B 2320	Polyether PUR foam	23	2.0	> 70	> 170	300-900
B 2330	Polyether PUR foam	23	3.2	> 100	> 150	800-1100
B 2830	Polyether PUR foam	28	2.7	> 90	> 190	300-900
B 2830 OC	Polyether PUR foam	28	2.7	> 90	> 190	1000-1600
B 2835	Polyether PUR foam	28	3.4	> 90	> 190	300-900
B 3830 OC-FR	Polyether PUR foam	38	3.0	> 60	> 130	1000-1600
HyPore 30 FR	Prepolymer polyether PUR foam	35	3.9	100	100	-

Acoustic foams

Product	Product group	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection [kPa] DIN EN ISO 7214	Compression set * [kPa] DIN EN ISO 3386	Burn rate
Stratocell Whisper FR	Polyethylene foam	25	12 (50%)	7 (50%)	Class B-s2-d0 (EN 13501-1) & B1 (DIN 4102)
Stratocell Whisper DB	Polyethylene foam	25	12 (50%)	7 (50%)	Passed (FMVSS 302)
Stratocell Whisper FR-S1	Polyethylene foam	21	12 (50%)	7 (50%)	Class B-s2-d0 (EN 13501-1) & B1 (DIN 4102)
Stratocell Whisper UV	Polyethylene foam	30	24 (50%)	13 (50%)	B2 (DIN 4102)

* *The indicated data refer to typical values and slight variations are in general within the specification.*
Please consult your local sales representative at FoamPartner to obtain the actual product data sheet with the latest technical product details.

Chapter 6

Filtration Foams

FoamPartner supplies specialty foams for various filtration applications. Untreated foams are mainly used for liquid and gas filters. Typical applications include air filters, active charcoal filters for air-conditioning systems, water filters for aquariums, and reservoir filters for stamping pads. Processed foams are normally utilized as a carrier medium; for example, in ceramic filters, catalysts, and battery electrodes, the filtration foam serves as a matrix. The requirements for filtration foams are very high, with homogeneity in particular having a fundamental impact on the effectiveness of the end product.

Air, Water and Oil Filtration

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Product	Product group	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Pores per inch REGI RPA-1002 NPA-3001
RegiCell 10 FM 2	Polyester PUR foam	30	4.5	> 120	> 100	11
RegiCell 10 FR	Fire-retardant polyester PUR foam	38	3.5	> 90	> 100	10
RegiCell 15	Polyester PUR foam	30	3	> 100	> 150	15
RegiCell 20	Polyester PUR foam	30	3,5	> 110	> 170	19
RegiCell 20 FR	Fire-retardant polyester PUR foam	35	3.5	> 120	> 150	20
RegiCell 25	Polyester PUR foam	30	3.3	> 120	> 150	25
RegiCell 30	Polyester PUR foam	30	3.3	> 150	> 160	31
RegiCell 30 FR	Fire-retardant polyester PUR foam	35	3.5	> 130	> 200	30
RegiCell 35	Polyester PUR foam	32	3.8	> 150	> 150	35
RegiCell 35 HiFi	Polyester PUR foam	30	3.5	> 150	> 110	35
RegiCell 40	Polyester PUR foam	30	3.3	> 160	> 200	42
RegiCell 45	Polyester PUR foam	30	3.3	> 180	> 220	46
RegiCell 45 FR	Fire-retardant polyester PUR foam	35	3.3	> 150	> 200	45
RegiCell 45 HF	Polyester PUR foam	28	> 40	> 280	> 35	45
RegiCell 60	Polyester PUR foam	30	3.0	> 200	> 220	83
RegiCell 60 FR	Fire-retardant polyester PUR foam	35	3.0	> 140	> 110	63
RegiCell 60/27 X FR	Fire-retardant polyester PUR foam	28	3.5	> 180	> 200	58
RegiCell 60/28 X FR	Fire-retardant polyester PUR foam	29	4.3	>180	> 170	58
RegiCell 60/28 X FR	Fire-retardant polyester PUR foam	29	3.5	> 180	> 200	63
RegiCell 80	Polyester PUR foam	30	3.5	> 220	> 220	63
RegiCell 80 X	Polyester PUR foam	29	3.3	> 220	> 180	73
RegiCell 80 X FR	Fire-retardant polyester PUR foam	32	3.8	> 220	> 220	73

* *The indicated data refer to typical values and slight variations are in general within the specification. Please consult your local sales representative at FoamPartner to obtain the actual product data sheet with the latest technical product details.*

** *The indicated data refer to typical values. Variations of up to +/- 10% are within specification.*

Air, Water and Oil Filtration

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Product	Product group	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Pores per inch REGI RPA-1002 NPA-3001
B 22 X-RT	Polyester PUR foam	22	3.5	> 120	> 180	65
B 25 X-RT	Polyester PUR foam	25	4.0	> 120	> 180	65
B 32 ST-RT	Polyester PUR foam	32	5.0	> 110	> 150	45
B 35 AS-LF-RT	Polyester PUR foam	35	5.0	> 150	> 180	-
B 35 X-RT	Polyester PUR foam	35	4.5	> 120	> 200	80
HyPore 25 PPI 90	Polyether PUR foam	28	3.2	> 112	> 154	70
PolinaCell 10	Polyether PUR foam	25	4.0	> 60	> 40	13
PolinaCell 20	Polyether PUR foam	25	4.5	> 98	> 42	23
PolinaCell 30	Polyether PUR foam	25	5.0	> 140	> 84	32
PolinaCell 45	Polyether PUR foam	25	3.6	> 98	> 60	46
PolinaCell 60	Polyether PUR foam	30	3.9	> 120	> 176	60

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** *The indicated data refer to typical values. Variations of up to +/- 10% are within specification.*

Drainage foams for outdoor use

Product	Product group	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Pores per inch REGI RPA-1002 NPA-3001
TCL 40100 STRONG	Polyether PUR foam	28	10.0	> 100	> 40	19
TCL 40100 MEDIUM	Polyether PUR foam	30	5.0	> 100	> 50	19
TCL 40100 SOFT	Polyether PUR foam	30	4.0	> 100	> 50	19

Ceramic Filter Foams

Product	Product group	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Pores per inch REGI RPA-1002 NPA-3001
RegiCell 7 FM 2	Polyester PUR foam	27	4.5	> 90	> 80	7
RegiCell 8 FM 2	Polyester PUR foam	27	4.5	> 110	> 100	9
RegiCell 10 FM 2	Polyester PUR foam	30	4.5	> 110	> 100	10
RegiCell 13 FM 4	Polyester PUR foam	30	4.5	> 110	> 100	13
RegiCell 15 FM 4	Polyester PUR foam	30	4.7	> 100	> 120	16
RegiCell 20 FM 4	Polyester PUR foam	30	> 3.8	> 100	> 120	19
RegiCell 25 FM 4	Polyester PUR foam	30	> 3.8	> 100	> 120	23
RegiCell 30 FM 4	Polyester PUR foam	30	> 3.8	> 100	> 120	30
RegiCell 40 GA	Polyester PUR foam	30	4	> 120	> 120	37
RegiCell 50 GA	Polyester PUR foam	30	4	> 150	> 120	48

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Please consult your local sales representative at FoamPartner to obtain the actual product data sheet with the latest technical product details.

Chapter 7

Sponge Foams

Our customers benefit from one of the broadest ranges of color-proof sponge foams for professional and household cleaning in the world. Our products feature excellent absorption and retention properties for liquid media due to their hydrophilic nature, to make cleaning convenient and efficient. They are great for wiping and efficiently picking up dirt and moisture, while at the same time being ideal for soaking up and retaining liquids. With a wide selection of volumetric weights and pore sizes, FoamPartner sponges are used for a variety of cleaning purposes, including hand dishwashing, surface cleaning, and personal hygiene. More robust specialty foams are required for professional applications, such as manual labor in the construction or ceramics industry.

Unreticulated Foams

Product	Product group	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Pore structure	Colours
Regi F soft	Polyester PUR foam	30	3.3	> 150	> 240	very fine	
LMW 2027	Polyether PUR foam	20	2.7	130	230	fine	
Regi SLN 20	Polyether PUR foam	22	3.5	> 110	> 120	fine	
Hydro GTS	Polyester PUR foam	24	3.5	200	200	fine-medium	
Regi F 31	Polyester PUR foam	30	4.3	> 160	> 160	fine	
Regi M 35	Polyester PUR foam	35	5.5	> 120	> 100	fine-medium	
T 25	Polyether PUR foam	23	4.0	100	150	fine-medium	
T 25 marble	Polyether PUR foam	25	4.6	160	140	fine-medium	
E 3041	Polyester PUR foam	27	3.5	100	200	fine-medium	
T 35 S	Polyether PUR foam	35	4.4	180	250	fine-medium	
Regi N 30	Polyester PUR foam	30	3.5/4.3	> 120	> 150	medium-coarse	
Regi S 30	Polyester PUR foam	30	4.3	> 100	> 110	large	
Regi G	Polyester PUR foam	30	4.0/4.3	> 70/80	> 90/100	very large	

* *The indicated data refer to typical values and slight variations are in general within the specification.*
Please consult your local sales representative at FoamPartner to obtain the actual product data sheet with the latest technical product details.

Reticulated Foams

Product	Product group	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Pore structure	Colours
Hydro F soft	Polyester PUR foam	30	2.8	> 160	> 250	very fine	
Hydro F 31	Polyester PUR foam	30	3.5	> 180	> 200	fine	
Hydro M 35	Polyester PUR foam	35	5	> 140	> 140	fine-medium	
Hydro N 30	Polyester PUR foam	30	3.5	> 140	> 170	medium-coarse	
Hydro S 30	Polyester PUR foam	30	3.5	> 120	> 150	large	
Hydro G	Polyester PUR foam	30	3.5	> 60	> 80	very large	

* *The indicated data refer to typical values and slight variations are in general within the specification.*
Please consult your local sales representative at FoamPartner to obtain the actual product data sheet with the latest technical product details.

Chapter 8

Foams for Surface Treatment

The main purpose of foams for surface treatment is to apply liquid media in order to equalize unevenness or generate certain effects on surfaces. FoamPartner offers prepolymer polyester PUR foams that are able to withstand high mechanical loads. Their excellent abrasion, rip, and tear resistance levels make them extremely resilient. They are therefore especially suitable for use as polishing pads, as well as in paint rollers or shoe polish applicators.

They are characterized by a high tear resistance, uniform surface quality, and outstanding long-term stability. Depending on their specific application, these foams can have extremely fine pores or “natural” pores and be solvent resistant, antibacterial, or lightfast.

Polishing Pads

Product	**Net density*** **[kg/m³]** DIN EN ISO 845	**Compression load deflection*** **[kPa]** DIN EN ISO 3386-1	**Tensile strength** **[kPa]** DIN EN ISO 1798	**Elongation at break** **[%]** DIN EN ISO 1798	**Pores per inch** REGI RPA-1002
PPF 8	38	8	> 340	> 140	70
PPF 8 ret	37	5.5	> 380	> 180	70
V2 mittel 1	36	7	> 100	> 70	25
V2 mittel 2	36	5.8	> 80	> 60	17
V5 mittel	39	6.5	> 170	> 120	23
V8 fein	45	9	> 400	> 180	73
V8 fein ret	45	7	> 450	> 180	70
V8 mittel 1	40	8	> 250	> 120	45
V8 mittel 1 ret	40	8	> 250	> 150	45
V9 fein	46	10	> 400	> 150	60
V9 fein ret	46	10	> 380	> 150	60
V10 fein	39	> 30	> 500	> 80	63
V10 fein ret	39	> 20	> 500	> 150	63
V10 mittel	33	> 40	> 150	> 15	23
V10 mittel ret	33	> 25	> 150	> 15	25
V65 fein	48	6.5	> 360	> 350	73
V65 fein ret	44	4.5	> 400	> 300	73
V65 H	40	9	> 300	> 100	77
V65 H ret	40	8	> 300	> 150	77

* *The indicated data refer to typical values and slight variations are in general within the specification.*
Please consult your local sales representative at FoamPartner to obtain the actual product data sheet with the latest technical product details.

Shoe Polishing Foams

Product	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Pores per inch REGI RPA-1002
V65 fein ret	44	4.5	> 450	> 300	75
V8 fein ret	45	7	> 450	> 180	70
V8 fein UE	44	8.3	> 400	> 150	70

Foams for paint rollers

Product	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Pores per inch REGI RPA-1002
B 29 MW	29	3.8	> 100	> 160	-
B 29 MWP	29	4.5	> 100	> 160	-
B 40 MW	40	6.0	> 150	> 140	-
B 50 MW	50	6.5	> 100	> 120	-
V65 H ret	40	8	> 300	> 100	77
V2 mittel 2	36	5.8	> 80	> 60	17

* *The indicated data refer to typical values and slight variations are in general within the specification.*
Please consult your local sales representative at FoamPartner to obtain the actual product data sheet with the latest technical product details.

Chapter 9

Packaging Solutions

FoamPartner provides individual packaging solutions for applications such as case liners and production trays. Foam packaging should not only protect the packed goods from damage and external influences, but also ensure attractive presentation – this is especially important for valuable goods such as jewelry or crystal glass. By combining our expertise in product packaging design with state-of-the-art processing technology, we are able to support our customers at every step when processing, developing, and realizing tailor-made solutions. Polyethylene foams as well as polyether PUR foams are the materials of choice for our packaging systems.

Polyethylene Foams

Product	Product group	Net density* [kg/m³] DIN EN ISO 845	Compressive Strength* [kPa] [50%]	Tensile strength [kPa] DIN EN ISO 1798	Colours
ETHAFOAM EF 220	Polyethylen foam	35	> 110	165	
ETHAFOAM EF 220 AS	Polyethylen foam	35	> 110	213	
ETHAFOAM EF 400	Polyethylen foam	57	> 170	296	
ETHAFOAM EF 4101 SE	Polyethylen foam	35	> 115	310	
ETHAFOAM EF 700	Polyethylen foam	105	> 400	718	
ETHAFOAM EF 900	Polyethylen foam	146	> 700	758	
FLEXATHEN FT/EZ 35	Polyethylen foam	35	> 180	615	
FLEXATHEN FT/PZ 24 FR	Polyethylen foam	24	> 115	260	
FLEXATHEN FT/PZ 29	Polyethylen foam	29	> 131	375	
FLEXATHEN FT/PZ 30 SD	Polyethylen foam	30	> 147	391	
FLEXATHEN FT/PZ 33	Polyethylen foam	33	> 137	440	
FLEXATHEN FT/PZ 45	Polyethylen foam	45	> 170	560	
FLEXATHEN FT/PZ 45 FR	Polyethylen foam	45	> 159	435	
FLEXATHEN FT/PZ 70	Polyethylen foam	70	> 248	733	
FLEXATHEN FT/XPE 25	Polyethylen foam	25	> 88	130	
FLEXATHEN FT/XPE 33	Polyethylen foam	33	> 98	176	
FLEXATHEN FT/XPE 45	Polyethylen foam	45	> 142	240	
FLEXATHEN FT/XVA 45	Polyethylen foam	45	> 80	215	
STRATOCELL S	Polyethylen foam	30	> 91	318	
SYNERGY P2	Polyethylen foam	33	> 115	220	
SYNERGY P3	Polyethylen foam	45	> 140	296	
SYNERGY P4	Polyethylen foam	64	> 210	310	

* *The indicated data refer to typical values and slight variations are in general within the specification.*
Please consult your local sales representative at FoamPartner to obtain the actual product data sheet with the latest technical product details.

Polyether PUR Foams

Product	Product group	Net density* [kg/m³] DIN EN ISO 845	Compressive Strength* [kPa] [50%]	Tensile strength [kPa] DIN EN ISO 1798	Colours
AF 2512	Polyether PUR foam	25	1.5	180	●
B 1625	Polyether PUR foam	16	2.5	> 70	○ ●
AS 21 rosa	Polyether PUR foam antistatic	21	4,0	140	●
B 1840	Polyether PUR foam	18	3.5	> 80	○
B 2240	Polyether PUR foam	22	4.0	> 100	○ ● ●
B 2240 Eco	Sustainable Polyether PUR foam	22	4,0	> 100	●
B 2550	Polyether PUR foam	25	4.5	> 90	○ ●
HDH 35100	Polyether PUR foam	32	11.0	280	●
HL 2551	Polyether PUR foam	25	5.1	130	●
LM 2033	Polyether PUR foam	20	3.0	150	○ ●
LMW 2027	Polyether PUR foam	20	2.7	130	● ●
LT 3541	Polyether PUR foam	35	4.1	150	●
LTH 3547	Polyether PUR foam	35	4.7	150	○
MTC 3039	Polyether PUR foam	30	3.9	150	● ● ● ●
RegiSeal Aqua	Prepolymer polyether PUR foam	32	11.0	> 100	●

* *The indicated data refer to typical values and slight variations are in general within the specification.*
Please consult your local sales representative at FoamPartner to obtain the actual product data sheet with the latest technical product details.

Chapter 10

Foams for Comfort and Care Solutions

FoamPartner develops, designs, manufactures, and processes a broad range of personalized system solutions for exceptional comfort and the highest level of ergonomics. Our portfolio includes, among others, standard and fire-retardant polyether PUR foams, very breathable viscoelastic foams, and gel materials with cooling effects. Our specialty foams are highly recommended due to their outstanding resilience and climate-regulating properties. Very high resilience climate foams (EvoPoreVHRC) are the latest generation of premium comfort foams for royal sleeping comfort and excellent ergonomic support. Thanks to its first-class climate consistency, the premium foam maintains excellent stability and consistent support throughout the night – and for years to come.

Standard Polyether PUR Foams

1/2

Product	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Bun height net [mm]	Colours
LMW 2027	20	2.7	> 130	> 230	960	
LM 2033	20	3.0	> 150	> 230	1020	
B 2240	22	4.0	> 100	> 120	1200	
B 2240	22	4.0	> 100	> 120	1100	
B 2240 I	22	4.0	> 100	> 120	1120	
AF 2512	25	1.5	> 180	> 400	490	
THE 2519	25	1.9	> 110	> 300	940	
B 2530	25	3.0	> 90	> 90	1240	
SKT 2537	25	3.5	> 150	> 220	960	
B 2550	25	4.5	> 90	> 90	1240	
B 2550	25	4.5	> 90	> 90	1150	
HL 2551	25	5.1	> 130	> 120	940	
B 3025	30	2.5	> 80	> 100	1200	
B 3030	30	3.0	> 100	> 110	1200	
B 3040	30	4.0	> 100	> 110	1200	
MT 3035	30	3.5	> 160	> 200	960	
MTC 3039	30	3.9	> 150	> 220	780	
B 3045	30	4.5	> 80	> 100	1200	
HDH 35100	32	11.0	> 280	> 100	750	
B 3360	33	6.0	> 90	> 80	1150	
B 3525	35	2.5	> 80	> 100	1180	
B 3530	35	3.0	> 80	> 100	1180	
B 3540	35	4.0	> 80	> 100	1220	
B 3545	35	4.5	> 80	> 100	1180	
LT 3541	35	4.1	> 150	> 220	960	
LTH 3547	35	4.7	> 150	> 170	970	
LS 3564	35	5.6	> 200	> 150	900	
B 3825	38	2.5	> 80	> 180	1200	
B 3840	38	4.0	> 100	> 100	1210	
B 3850	38	5.0	> 100	> 100	1130	

* *The indicated data refer to typical values and slight variations are in general within the specification. Please consult your local sales representative at FoamPartner to obtain the actual product data sheet with the latest technical product details.*

Standard Polyether PUR Foams

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Product	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Bun height net [mm]	Colours
Tex 4030	40	3.0	> 100	> 200	980	
Tex 4040	40	4.0	> 130	> 170	960	
Tex 4350	43	5.5	> 140	> 180	800	
Tex 4848	48	4.8	> 110	> 160	830	
LR 4872	48	6.7	> 170	> 120	830	
B 4060	40	6.7	> 140	> 110	1100	
B 5030	50	3.0	> 70	> 180	900	
B 5080	50	8.0	> 150	> 120	900	
SLT 5880	58	8.0	> 150	> 120	670	
HDH 60190	60	19.0	> 300	> 100	630	
B 7595	75	9.5	> 120	> 100	650	

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Fire-Retardant Polyether PUR Foams

Product	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Bun height net [mm]	Colours
B 2840 FR	28	4.0	> 80	> 140	1050	
EvoPoreHRC 150 p FR	45	3,5	>80	>110	750	
Supra 3025 FR	30	2.5	> 110	> 130	700	
Supra 5458 FR	54	5.8	> 100	> 80	860	

Ultrasoft Polyether PUR Foams

Product	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Bun height net [mm]	Colours
B 3515 HS	35	1.5	> 70	> 200	900	
B 5025 GT	50	2.5	> 80	> 130	780	

* *The indicated data refer to typical values and slight variations are in general within the specification.*
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High-Resilience Foams

Product	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Bun height net [mm]	Colours
Oboflex B 3525 HR	35	2.5	> 80	> 100	1040	
Oboflex B 3330 HR	33	3.0	> 80	> 100	1180	
Oboflex B 3530 HR-II	35	3.0	> 110	> 110	1040	
Oboflex B 3538 HR	35	3.5	> 120	> 110	1180	
Oboflex B 4028 HR-I	40	3.0	> 100	> 120	1030	
Oboflex B 4038 HR-I	40	4.0	> 100	> 120	1030	
Oboflex B 4050 HR-I	40	4.5	> 100	> 100	1030	
Oboflex B 4520 HR	45	2.0	> 60	> 100	1030	
Oboflex B 4525 HR	45	2.5	> 80	> 120	1030	
Oboflex B 4535 HR	45	3.5	> 100	> 110	1030	
Oboflex B 4545 HR	45	4.5	> 100	> 110	1030	
Oboflex B 5030 HR	50	3.0	> 80	> 130	940	
Oboflex B 5040 HR	50	4.0	> 100	> 120	940	
Oboflex B 5045 HR	50	5.0	> 100	> 120	940	
Oboflex B 5060 HR	50	6.5	> 100	> 100	940	

* *The indicated data refer to typical values and slight variations are in general within the specification.*
Please consult your local sales representative at FoamPartner to obtain the actual product data sheet with the latest technical product details.

High-Resilience Climate Foams

Product	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Bun height net [mm]	Colours
Avent0_2 120	40	3.0	> 90	> 100	880	
Avent0_2 160	40	4.0	> 90	> 120	880	
EvoPoreHRC 120c	30	2.9	> 110	> 160	880	
EvoPoreHRC 140c	35	3.3	> 110	> 150	880	
EvoPoreHRC 170c	35	4.0	> 110	> 140	880	
EvoPoreHRC 75p	40	1.9	> 70	> 140	880	
EvoPoreHRC 100p	40	2.5	> 80	> 120	880	
EvoPoreHRC 150p	45	3.5	> 80	> 120	880	
EvoPoreHRC 120p	48	2.8	> 60	> 100	880	
EvoPoreHRC 190p	50	4.5	> 80	> 110	850	
EvoPoreHRC 250c	50	6.0	> 140	> 120	760	

Very High-Resilience Climate Foams

Product	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Bun height net [mm]	Colours
EvoPoreVHRC 95	43	2.2	> 100	> 65	800	
EvoPoreVHRC 145	45	3.4	> 100	> 65	800	
EvoPoreVHRC 195	47	4.6	> 110	> 60	700	

* *The indicated data refer to typical values and slight variations are in general within the specification.*
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Visco-Elastic Foams

Product	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Bun height net [mm]	Colours
ViscoPore 4515	43	1.5	> 150	> 180	610	○
ViscoPore 5320 HM	53	2.0	> 80	> 150	600	○
ViscoPore 6035	52	2.8	> 130	> 170	620	
ViscoPore 6060	57	3.7	> 190	> 150	610	
ViscoPore 60120	60	7.7	> 300	> 140	600	
ViscoPore 65180	65	14.0	> 249	> 110	620	

Gel foams

Product	Net density* [kg/m³] DIN EN ISO 845	Compression load deflection* [kPa] DIN EN ISO 3386-1	Tensile strength [kPa] DIN EN ISO 1798	Elongation at break [%] DIN EN ISO 1798	Bun height net [mm]	Colours
WATERGEL	60.0	1.6	> 80	> 130	available as sheets	
WATERGEL	45.0	1.6	> 80	> 130	available as sheets	

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Colour Codes

- white
- ivory
- natural light
- nature
- natural dark
- cream
- skin
- light beige
- beige
- dark beige
- pink
- red
- special red
- terracotta
- burgundy
- auburn
- brown
- apricot
- orange
- ochre
- light yellow
- yellow
- bright yellow
- special green
- light green
- linden green
- green
- mint green
- neon green
- emerald green
- turquoise
- light blue
- blue
- blue white marbled
- bright blue
- dark blue
- violet
- lavender
- lilac
- light grey
- grey
- dark grey
- anthrazite
- black
- deep black
- Other colours on request

Glossary

Tolerances
The data is mean value from production. Rights to alterations and deviations are reserved.

Delivery forms
Blocks, sheets, cuts to size and finished items (dimensions on request).

List of abreviations
AS anti-static
FR flame retardant
SE self-extinguishing
SD static dissipative

The measured values listed above are standard values and are only to be used to gain an understanding of the material. They are not a replacement for product specifications which form part of separate, written agreements. This information along with our spoken, written and tested application technology advice is accurate to the best of our knowledge; however, they are only to be considered non-binding suggestions.

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Issue Date January 2021
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Do you have any questions?
Are you looking for advice?
Please do not hesitate to contact us.
We are very much looking forward
to be of your assistance.

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