

Press Release

OBoSky[®] – easy to process, durable and low in emissions

A new ether-based foam technology by FoamPartner combines high surface quality for automotive headliners with lowest VOC and fogging values

FoamPartner, specializing in advanced foam solutions, has developed a foam product family characterized by extremely low emission levels for use in automotive headliners with high demands on processability and design.

The foams sold under the OBoSky[®] brand name benefit from a patented¹ ether prepolymer technology to combine the advantages of ester-based polyurethane foams with those of ether-based materials. The result is a family of hydrolytically stable, low-emission and low-odor foams with optimum processability and an extremely homogenous cell structure. The technology is especially targeted to demanding automotive headliners. However, thanks to their high elongation and good resilience, OBoSky[®] foams also have a perfect fit in further automotive interior applications requiring a pleasant soft feel.

“Vehicles off the shelf are history. Besides looking for an environmentally friendly as possible drive system, consumers today have a keen eye for a stylish interior design using materials that ensure a healthy climate in the passenger compartment,” says Klaus Hellmold, Vice President Global Business Unit Automotive Rolls at FoamPartner. “With our OBoSky[®] foams for headliners, we have set new standards in efficient processing and environmental compatibility.”

The innovative OBoSky[®] headliner foam grades feature a very uniform structure with fine pores, providing excellent surfaces that can easily be laminated in flame and adhesion processes while also lending themselves to finishing textiles of low surface weight.

The ether-based prepolymer technology of the materials ensures not only outstanding hydrolytic resistance and long-term high mechanical properties, but also leads to significantly lower levels in volatile organic compounds (VOC) and fogging (FOG) vs. merely ester-based foams. In VOC and FOG tests according to VDA 278 and VDA 270, OBoSky[®] shows values clearly below the limits specified in DBL 5450, the strict supply regulation of Daimler AG for flexible foams based on polyurethane.

¹ Patents have been granted in various countries, such as in China ZL200580022817.8), Japan (4885847), USA (9,023,907)

OBoSky® is available in rolls and various net densities as well as with or without flame protecting finish according to FMVSS 302. The unique manufacturing process enables a block foam length of 120 m, which results in 50 percent fewer bonding seams compared to common 60 m blocks in the market. This means customers can save costs in their end-product fabrication.

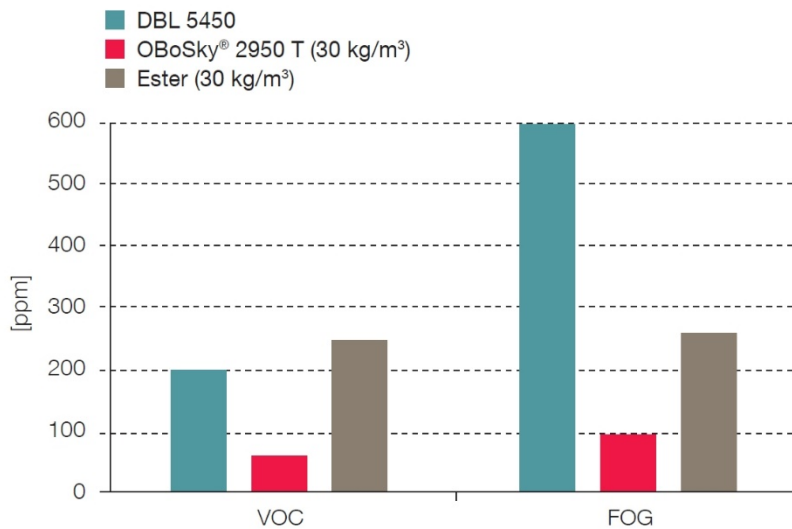
FoamPartner will present the new products of its OBoSky® family at Foam Expo Europe 2019 in Stuttgart, Germany, from September 10 to 12. Foam Expo is a leading tradeshow for manufacturers and buyers of technical foam products and technologies as well as for the entire supply chain of the foam industry. FoamPartner welcomes customers and interested visitors to stop by at booth 504.

About FoamPartner

FoamPartner, with headquarters in Wolfhausen (Switzerland) and 14 Centers of Competence across Europe, America and Asia-Pacific, is a global leader in foam technology. The company offers its customers a broad portfolio of best-in-class foam and other material solutions engineered to the highest standards of form, function and quality. More than 1,100 employees worldwide develop, manufacture, process and distribute custom-tailored polyurethane foam products focused on three market segments: Mobility, Specialties, and Living & Care. FoamPartner was founded in 1937 and has been a member of the Conzzeta Group since 1980. Visit www.foampartner.com and www.conzzeta.com for further information.



Thanks to their homogenous and fine-pore cell structure, OBoSky® foams from FoamPartner deliver extremely uniform surfaces, ideal in particular for high-quality automotive headliners. (Photo: Getty Images/algre)



In tests according to VDA 278 and VDA 270, the innovative OBoSky® PUR foams stay clearly below the VOC and FOG levels specified by Daimler's DBL 5450 soft foam standard.
(Photo: FoamPartner)

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