



Press Release

Fakuma 2018: VELOX presents a whole new world of high-performance, plastic raw materials

Hamburg, 24. September 2018.

VELOX GmbH, Europe's leading solution provider for the plastics, composites, additives, rubber, paints and coatings industries, will be showcasing its latest products at this year's Fakuma. Held in Friedrichshafen, Germany from 16th to 20th October, VELOX will host on its stand (Hall B5/Stand 5001) close partners Asahi Kasei, LIFE materials, Lubrizol and Völpker Spezialprodukte GmbH.

The transition to functional part production using additive manufacturing techniques is highly dependent on finding materials. Not only delivering the necessary design accuracy, they must also have the appropriate physical and mechanical properties essential for the application. During the show VELOX will present the new VELOX 3D printing portfolio, which focuses on specialist raw materials suitable for manufacturing Fused Deposition Modelling or Fused Filament Fabrication (FDM/FFF) filaments and Selective Laser Sintering (SLS) powders.

From **Asahi Kasei**, one of the key highlights during the show will be its ASACLEAN purging compounds, which are used to optimise thermoplastic injection moulding, extrusion and blow moulding production runs. The material is designed specifically to have a low affinity to metal surfaces, which contributes to its low-residue properties. ASACLEAN has proven to reduce downtimes, costs and maintenance efforts. On the VELOX stand, an extruder will demonstrate how ASACLEAN compares to conventional, less effective purging methods.

Two antimicrobial additive materials from supplier **LIFE materials** are both innovative yet target completely different markets. The first is for car interiors, where the industry is increasingly seeking hygienic plastic parts, while also looking to reduce volatile organic compound (VOC) emissions. Called LIFE CI/AM-00-1A, the first material fights bacteria and maintains hygiene. Its adsorbent properties immobilise VOCs ensuring they do not become airborne. The second material is a silver-based antimicrobial additive, called LIFE DS/R-00-1A, that can be used with polymers such as polycarbonate (PC) or acrylonitrile butadiene styrene (ABS) at half of the dosage rates of competing products on the market.

As the inventor of thermoplastic polyurethane (TPU), **Lubrizol's** Estane® polymers set the mark for performance and quality. Lubrizol Engineered Polymers will introduce its latest material breakthrough, Estane® ZHF 90AT8 NAT01. This new grade is designed especially for cables in robotics, construction and communications, and brings value by offering excellent flame retardant performance in combination with very good mechanical properties and heat resistance (compliant with VDE 282-10 and UL 105°C rating).



At Fakuma, Lubrizol will also showcase its new Estane® TPU for 3D printing applications, ranging from soft/flexible to hard/rigid technologies. The material is available as FDM/FFF filaments and pellets, as well as powder TPU solutions.

The final key highlight at the VELOX stand will be from **VOELPKER**, who has developed a new version of its proven WARADUR® OP montan wax ester containing a higher percentage of calcium montanate. Marketed under the name WARADUR® OP*plus*, this product will, for example, further reduce viscosity in PA 6.6. In injection moulding, this reduction in flow resistance has, amongst other things, the following advantages: Shorter cycle times due to a higher injection speed. Complex component geometries can be implemented due to longer flow paths. Components have a high-quality look due to improvement of the surface structure.

“We are delighted to present a wide range of innovative specialties together with our long-standing partners at this year's FAKUMA. We look forward to the professional exchange and the many encounters with new and existing customers at our stand 5001 in Hall B5,” says François Minec, General Manager of VELOX.

VELOX exhibits at numerous leading specialist trade fairs: visit www.velox.com for a list of events where VELOX participates.



Visit VELOX during Fakuma 2018 at Hall B5, Stand 5001!

About VELOX GmbH:

VELOX GmbH is a leading pan-European distributor of raw material specialties and solutions provider for the plastics, composites, additives, rubber, paints and coatings industries.

Founded in 1993 by Bernard Goursaud and N. Max Schlenzig, VELOX is headquartered in Hamburg, Germany. The company has 21 offices throughout Europe and employs over 230 experienced employees to support its customers across Europe and beyond.

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