

PRESS RELEASE

Sumika Polymer Compounds adds new grades to e-Xstream's material database to enable end users to save cost and weight

Luxembourg – (7 March, 2019) - [e-Xstream engineering, an MSC Software Company](#), part of Hexagon, announced today that [Sumika](#) Polymer Compounds, world leader in plastic manufacturing and polymer formulation, has added 5 Digimat material models into Digimat-MX, the material database of the award-winning, market leader simulation platform, providing state-of-the-art advanced material models for injection molding and additive manufacturing applications.

With 15 years' experience and excellence in business, e-Xstream recently launched its latest software solution, Digimat 2019.0, to offer automotive and aerospace manufacturers advanced levels of efficiency, combined with a highly intuitive platform. Digimat 2019.0 is democratizing advanced material simulation for optimal and confident design.

The addition of Sumika's grades will result in cost and weight saving. Comparing to other well spread engineering plastics, the new material, THERMOFIL HP composites based on polypropylene which offers lower density, lower price and requires less processing energy. Beside that these grades show good resistance against petrochemicals and other type of solvents. In this release elastic and elastoplastic material cards will be available for the following grades: THERMOFIL HP F610X, HP F611X, HP F711X, HP F811X, HP F911X. Later in this year these cards will be extended to cover other type of solutions.

"As the automotive market is always looking for high level of performance and lightweight to achieve CO₂ emission targets and fuel consumption economy, our THERMOFIL HP® range is well positioned as an alternative lightweight solution against traditional engineering plastics without any compromise in performances. Digimat will provide full and easy access to calibrated material characteristics of our material to develop a suitable part-design and predict performance part made in THERMOFIL HP."- says Nicolas Nicolas Schlutig, Technical and R&D Manager at Sumika Polymer Compounds.

THERMOFIL HP® series really out-perform traditional engineering plastics such as PA6-GF, PA66-GF and PBT-GF also at elevated temperature which allows to introduce a new category of engineering PP glass fiber reinforced from automotive industry to other industries and introduction of this family into DIGIMAT MX database can help to achieve lighter and cost-effective parts for our customers. A

lightweight can be achieved with THERMOFIL HP series by tuning the part thanks to other Digimat solution and could also replacing metal.

About e-Xstream engineering

Founded in 2003, e-Xstream engineering, an MSC Software Company is a software and engineering services company 100% focused on the multi-scale modelling of composite materials and structures. The company helps customers, material suppliers, and material users across many industries. They aim to reduce the cost and time needed to engineer innovative materials and products using Digimat, the nonlinear multi-scale material and structural modelling platform. Since September 2012, e-Xstream engineering is a subsidiary of MSC Software Corporation. For additional information about e-Xstream's products and services, please visit: www.e-xstream.com

About MSC Software

MSC Software is one of the ten original software companies and a global leader in helping product manufacturers to advance their engineering methods with simulation software and services. As a trusted partner, MSC Software helps companies improve quality, save time, and reduce costs associated with design and test of manufactured products. Academic institutions, researchers, and students employ MSC's technology to expand individual knowledge as well as expand the horizon of simulation. MSC Software employs 1,300 professionals in 20 countries. For more information about MSC Software's products and services, please visit: www.mscsoftware.com

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About Sumika

SUMIKA Polymer Compound is a subsidiary of SUMITOMO Chemical group (established in 1913), SUMIKA Polymer Compound concentrate the worldwide polypropylene compounding of the group with 650 K€ turnover, more than 350 KT of capacity worldwide (Europe, USA, Mexico, China, Japan, India, Thailand and Middle east). SUMIKA Polymer compound provide lightweight solution throw performances worldwide that support a wide variety of industries.

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