Domat/Ems, November 19, 2018

# PRESS INFORMATION

## Grivory HT "High Temperature" renamed Grivory HT6

**EMS-GRIVORY presented the new Grivory HT "High Temperature" at the K 2016. The product line is the next generation of Grivory HT. To emphasise this, the product has been renamed Grivory HT6.**

In 1994, EMS-GRIVORY launched the market introduction of the high-temperature material Grivory HT. With this tried and tested product, EMS-GRIVORY has become market leader in Europe and offers the widest PPA product portfolio worldwide. With Grivory HT6, EMS-GRIVORY has launched a new Grivory HT-product line with significantly increased temperature performance onto the market.

**Higher E-Modulus, improved heat distortion temperature and extreme creep resistance**

Grivory HT6 is utilised everywhere where conventional PPAs reach the limits of their mechanical load capacity. With the comparable melting point as Grivory HT1, Grivory HT6 provides significantly higher performance at the same temperature. The E-modulus at 140 °C was increased by 50% and the heat distortion temperature (HDT/C) by 50 °C to 250 °C. Grivory HT6 has the best creep resistance of all PPAs on the market. New components can be designed with thinner wall strengths, allowing part costs and weight savings to be achieved. With the same geometry, Grivory HT6 has a significantly higher load capacity at higher temperatures.

Target applications for Grivory HT6 are applications in automotive construction such as clutch systems, gears, structural components and brackets in the engine compartment as well as components in the industry and consumer good sectors with the highest mechanical resistance and creep resistance.

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*The Grivory HT6 product assortment is made up of the following grades:*

*Grivory HT XE 10129 → HT6V-4H*
*Grivory HT XE 11600 → HT6V-4X [1)]*
*Grivory HT XE 11601 → HT6V-5X [1)]*
*Grivory HT XE 11602 → HT6V-5H*

*[1)] electro-compatible modification*

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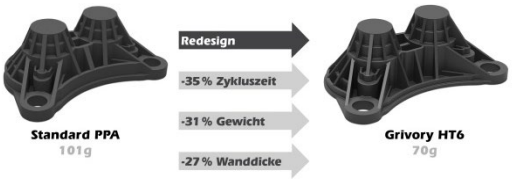
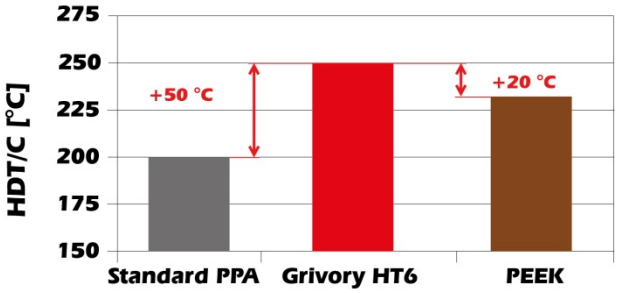
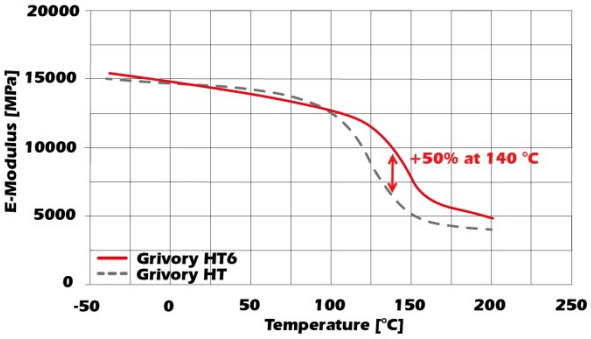


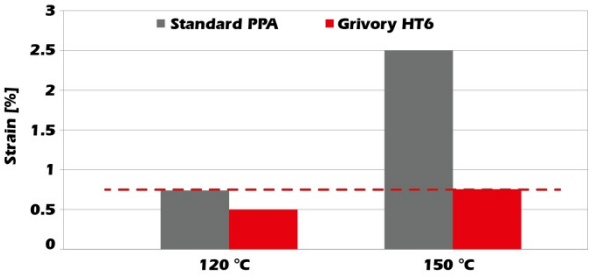

*Grivory HT6 lowers costs and weight: With this demonstration component, wall thicknesses were reduced by 27% compared to standard PPA, leading to a weight saving of 31. The cycle time was 35% shorter.*




*Grivory HT6 has a heat distortion temperature 50 °C higher than standard PPA and 20 °C higher than PEEK.*




*At 140 °C, Grivory HT6 provides a 50% higher E-Modulus than a conventional Grivory HT grade.*




*At 150 °C, Grivory HT6 has 80 % higher creep resistance than standard PPA and the same performance as standard PPA at 120 °C.*

**Contact for technical inquiries**

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