



**Interesting product for electro-mobility**

Grivory HT "High Hydrolysis Resistance" is suitable for both vehicles with classic internal combustion engines as well as those with electro motors, where thermal management is particularly important and liquid cooling systems using water are also implemented. The combination with electrical conductor tracks and electrical components is possible without problems because the available "electro-friendly" stabilisation prevents problems with salt efflorescence and the corrosion it causes under warm and moist conditions.

**Hot water and steam**

With the "FWA" products approved for use in direct contact with foodstuffs and drinking water, Grivory HT "High Hydrolysis Resistance" can be used in a variety of applications in the sector industry and consumer goods. Two grades with different amounts of reinforcement are available for this: Grivory HT1VA-4 FWA (40 weight-percent glass fibers) and Grivory HT1VA-5 FWA (50 weight-percent glass fibers). In comparison to conventional Grivory HT1V-FWA grades approved for use in direct contact with foodstuffs and drinking water, these two products provide significantly higher toughness and reliability and expand the utilisation limits with regard to temperature and life expectancy.

The products have already been introduced successfully into the market. A leading coffee machine manufacturer makes liquid feed connectors and a distribution block for a fully automatic coffee machine out of Grivory HT1VA-4 FWA. These components are exposed to hot water and steam. In this application as well, Grivory HT "High Hydrolysis Resistance" is convincing with an outstanding hydrolysis resistance and its food and drinking water approvals. The very high weld-line fatigue strength of the glass-fibre reinforced product was another important argument, for the manufacturer to convert from the previously used PPS to EMS material.

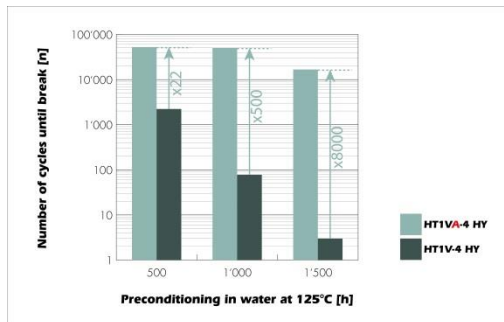
Whether in automotive manufacture or in a coffee machine – Grivory HT "High Hydrolysis Resistance" provides higher performance in water!

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*Cooling water valve from Mann+Hummel  
made of Grivory HT1VA-35 HYS.*



*Grivory HT "High Hydrolysis Resistance"  
provides a significantly improved weld-line  
fatigue strength.*



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