

Press Release

TechnoCompound at Fakuma 2006

Glass fibre reinforced polyamide with improved mechanical properties

Bad Sobernheim, November 2006 – Having made its début at Fakuma on the exhibition stand of TechnoCompound GmbH, Bad Sobernheim, the newly developed glass fibre reinforced polyamide (PA) features considerably improved mechanical properties. Compared with existing glass fibre reinforced PA having the same glass fibre content, a new formulation for PA6 and PA6.6 increases notched impact strength by over 70 % and tensile and flexural strength by approximately 10 %. Their improved mechanical properties not only make these innovative materials perfect substitutes for aluminium die castings but also represent a low-cost alternative to partly aromatic, glass fibre reinforced PA. Typical applications, for example, are housings for electrical appliances and tools for both professional and D.I.Y. users and also large, rigid housing components for industrial machines and equipment. The many new applications complement the traditional applications in the automotive industry, e.g. coolant reservoirs, fans and valve covers.

A new production line for glass fibre reinforced PA, which TechnoCompound recently put into operation at its Bad Sobernheim plant, now increases TechnoCompound's production capacity to over 10,000 tonnes/year. The optimized performance of this new production line and the company's leanly structured organization together enable

TechnoCompound to market its PA compounds, like all its other products, at extremely competitive prices. Further customer benefits are TechnoCompound's advisory team of application experts and the development of customized compounds for special applications.

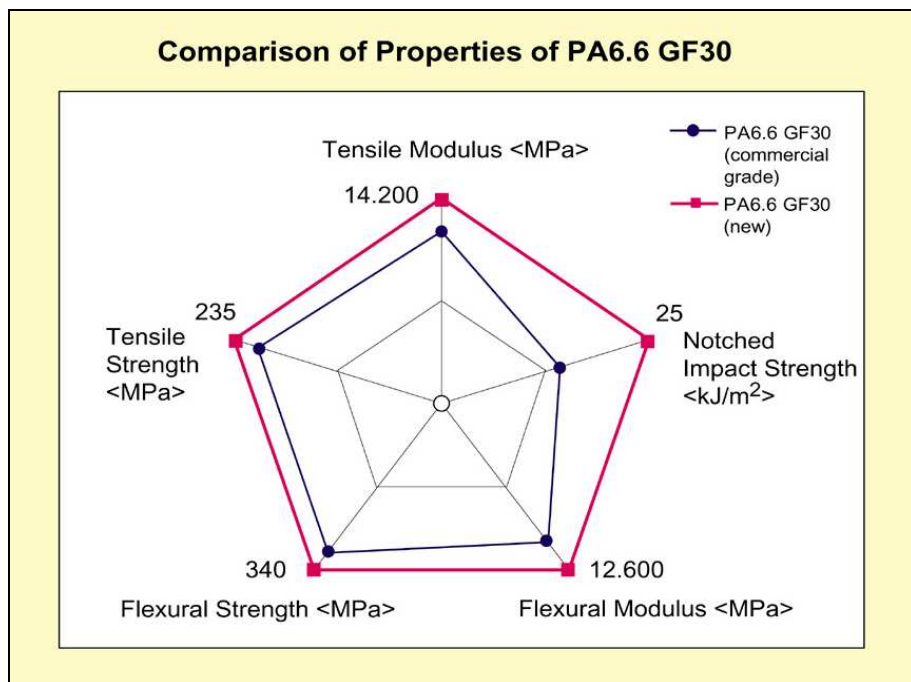
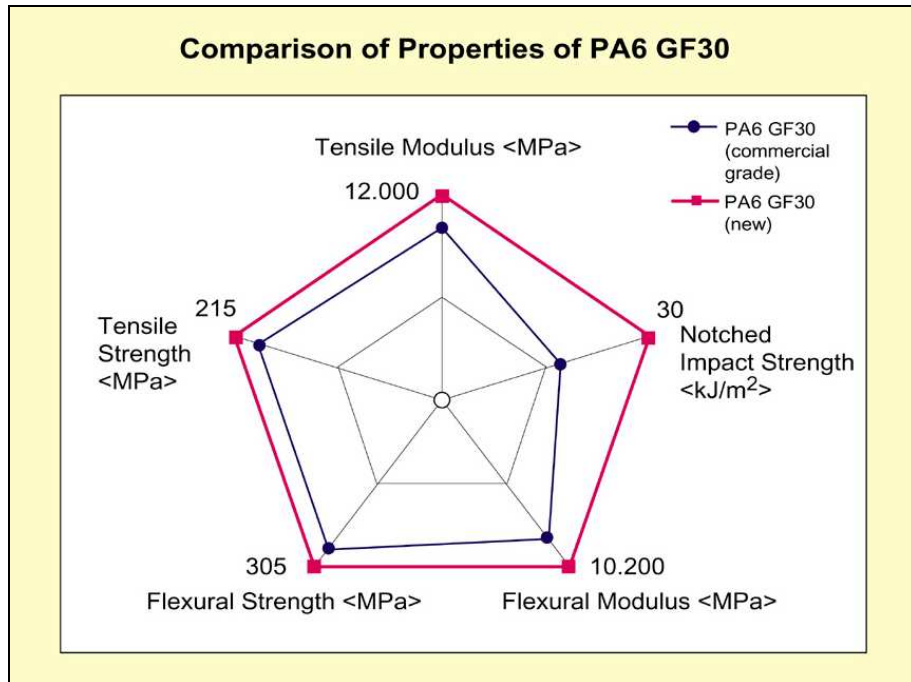
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With its new formulation, TechnoCompound has achieved a considerable improvement in the mechanical properties of glass fibre reinforced polyamides.

Figures: TechnoCompound, Bad Sobernheim