

Omnix[®]



SOLVAY

asking more from chemistry[®]

Omnix[®] HPPA

High-Performance Polyamides

**SPECIALTY
POLYMERS**

More Performance Options

Omnix® HPPA is a family of high-performance polyamides that bridge the cost-performance gap between lower performing PA66 and higher performing polyphthalamide, such as Solvay's Amodel® PPA.

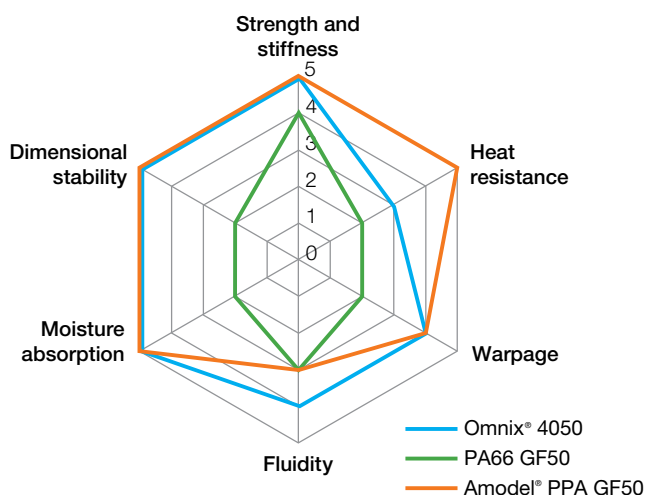
Of special interest is Omnix® 4050, a 50 % glass fiber reinforced compound, that is available in black and natural grades. The off-white color of the natural resin provides excellent colorability.

A properties comparison of 50 % glass-filled grades of these materials is presented in Figure 1.

Key features

- Higher heat resistance than PA66 for applications less thermally demanding than PPA
- Lower moisture absorption than PA 66 for higher strength and stiffness, better dimensional stability and lower warpage
- Good chemical resistance
- Efficient, cost-effective manufacturing

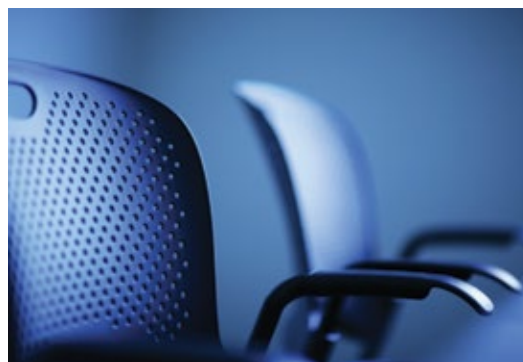
Figure 1: Comparison of 50% glass-filled polyamides



Cost-Effective Metal Replacement

Omnix® HPPA is ideally suited for use when PA66 reaches its limit temperature or when the hydrolytic stability of PA66 is no longer sufficient. It is an economical alternative to die-cast alloys for components used in:

- Automotive
- Electrical / electronics
- Building and construction
- Industrial applications
- Consumer goods



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