

New glass-fiber reinforced PPA molding compound for automotive applications

Evonik presents its latest development based on polyphthalamide (PPA): VESTAMID® HTplus M1035 P1 now offers customers a glass-fiber reinforced molding compound with superior properties.

Dynamically stressed casing components in the automotive industry need outstanding mechanical properties: high burst pressure strength is essential to withstand alternating stresses. Good chemical resistance against corrosive media is also required. VESTAMID® HTplus M1035 P1 was developed especially for use under these difficult conditions. This new PPA grade also achieves very good results as regards to the impact strength.

“We are pleased that the trials carried out by our customers confirm our own test results, which allow us to increase our customers' competitiveness even more,” says Dr. Simon Ting, global business director at High Temperature Polymers.

In addition to the excellent mechanical properties, customers also benefit from the good flow behavior of VESTAMID® HTplus M1035 P1. As a result, the surface of the injection-molded parts tends to be smoother and defects-free.

The VESTAMID® HTplus product family was developed to replace classic metal applications. It is a semi-crystalline, polyphthalamide-based material that is resistant to high temperatures with a very good price-performance ratio. It combines high temperature stability with outstanding resistance to chemicals and exceptionally good mechanical properties.

Company information

Evonik, the creative industrial group from Germany, is one of the world leaders in specialty chemicals. Profitable growth and a sustained increase in the value of the company form the heart of Evonik's corporate strategy. Its activities focus on the key megatrends health, nutrition, resource efficiency and globalization.

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Evonik benefits specifically from its innovative prowess and integrated technology platforms. Evonik is active in over 100 countries around the world. In fiscal 2014 more than 33,000 employees generated sales of around €12.9 billion and an operating profit (adjusted EBITDA) of about €1.9 billion.

Evonik Industries has been producing specialty chemical products in the Greater China region (Mainland China, Hong Kong and Taiwan) since the late 1970's; with wide-ranging trading relations already in place prior to this in the region. Evonik regards Greater China as one of the driving forces of the global economy and we consequently endeavour to grow our business in the region. The company now has around 3,000 employees in the Greater China region, the regional sales reached over €1.1 billion in 2014.

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