

New glass-fiber reinforced PPA molding compound for automotive applications

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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.

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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.

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About Resource Efficiency

The Resource Efficiency segment is led by Evonik Resource Efficiency GmbH and brings together Evonik's activities in specialty chemicals for industrial applications. The Resource Efficiency segment supplies high performance materials for environmentally friendly as well as energy-efficient systems to the automotive, paints & coatings, adhesives, construction, and many other industries. This segment employed about 7,800 employees, and generated sales of around €4 billion in 2014.

About Evonik

Evonik, the creative industrial group from Germany, is one of the world leaders in specialty chemicals, operating in the Nutrition & Care, Resource Efficiency and Performance Materials segments. The company benefits from its innovative prowess and integrated technology platforms. In 2014 more than 33,000 employees generated sales of around €12.9 billion and an operating profit (adjusted EBITDA) of about €1.9 billion.

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