

VESTAMID® HTplus R1035

Polyphthalamide

Evonik Industries AG

Message:

Glass-fiber reinforced polyphthalamide compound especially suitable for plastic and rubber composites

VESTAMID HTplus R1035 is a glass-fiber reinforced (50%), heat-stabilized polyphthalamide compound (PPA) especially suitable for the production of rubber and plastic composites. This process is patented by Evonik Degussa GmbH.

Parts of VESTAMID HTplus R1035 can be directly bonded to rubber, e. g., HNBR or FPM, without using any adhesives or adhesion promoters.

This base resin is especially suitable for manufacturing parts subjected to high temperature.

VESTAMID HTplus R1035 is supplied as cylindrical pellets in polyethylene packaging.

Drying at 120°C for at least 4 hours before processing is recommended.

For information about processing of VESTAMID HTplus R1035, please contact our experts in the department ApplicationsTechnology of the High Performance Polymers Business Line.

General Information			
UL YellowCard	E100211-100834060		
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Additive	Heat Stabilizer		
Features	Bondability		
	Heat Stabilized		
	High Heat Resistance		
Uses	Compounding		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.64	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	17000	MPa	ISO 527-2
Tensile Stress (Break)	210	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C, Complete Break	8.0	kJ/m ²	
23°C, Complete Break	9.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-40°C, Complete Break	37	kJ/m ²	
23°C, Complete Break	57	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	310	°C	ISO 306/A
--	282	°C	ISO 306/B
Melting Temperature	300 to 315	°C	ISO 11357-3

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