VESTAMID® HTplus M1031

Polyphthalamide

Evonik Industries AG

Message:

Glass-fiber reinforced polyphthalamide compound for injection molding
VESTAMID HTplus M1031 is a glass-fiber reinforced (15%), heat-stabilized polyphthalamide compound (PPA) for injection molding.
This base resin is especially suitable for manufacturing parts subjected to high temperature.
VESTAMID HTplus M1031 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 M1031, please follow the general recommendations for PPA in our information "Handling and Processing of VESTAMID HTplus."

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized High Heat Resistance		
Uses	High Temperature Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.31	g/cm³	ISO 1183
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	7100	MPa	ISO 527-2
Tensile Stress (Break)	110	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	4.0	kJ/m²	
23°C, Complete Break	4.0	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature			
--	311	°C	ISO 306/A
--	277	°C	ISO 306/B
Melting Temperature	300 to 315	°C	ISO 11357-3
Injection	**Nominal Value**	**Unit**	
Drying Temperature	120	°C	
Drying Time	4.0	hr	

Recommended distributors for this material

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