

VESTAMID® HTplus M1035

Polyphthalamide
Evonik Industries AG

Message:

Glass-fiber reinforced polyphthalamide compound for injection molding
VESTAMID HTplus M1035 is a glass-fiber reinforced (50%), heat-stabilized polyphthalamide compound (PPA) for injection molding.
This base resin is especially suitable for manufacturing parts subjected to high temperature.
VESTAMID HTplus M1035 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 M1035, please follow the general recommendations for PPA in our information "Handling and Processing of VESTAMID HTplus."

General Information			
Filler / Reinforcement	Glass Fiber,50% 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	1.64	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	19000	MPa	ISO 527-2
Tensile Stress (Break)	250	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	16000	MPa	ISO 178
Flexural Stress	360	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C, Complete Break	14	kJ/m ²	
23°C, Complete Break	12	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-40°C, Complete Break	50	kJ/m ²	
23°C, Complete Break	65	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	313	°C	ISO 306/A
--	289	°C	ISO 306/B
Melting Temperature	300 to 315	°C	ISO 11357-3

CLTE			ISO 11359-2
Flow : 20°C	2.7E-5	cm/cm/°C	
Transverse : 20°C	2.3E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+17	ohms·cm	IEC 60093
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	4.0	hr	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

