VESTAMID® HTplus M1000

Polyphthalamide

Evonik Industries AG

Message:

Unmodified polyphthalamide for creating compounds for injection molding
VESTAMID HTplus M1000 is a neat resin for polyphthalamide (PPA) based compounds for injection molding.
This base resin is especially suitable for manufacturing parts subjected to high temperature.
VESTAMID HTplus M1000 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 M1000, please follow the general recommendations for PPA in our information "Handling and Processing of VESTAMID HTplus."

General Information			
Features	High Heat Resistance		
Uses	High Temperature Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.20	g/cm³	ISO 1183
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	3500	MPa	ISO 527-2
Tensile Stress (Break)	90.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	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	7.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-40°C, Complete Break	40	kJ/m²	
23°C, Complete Break	50	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	223	°C	ISO 75-2/B
1.8 MPa, Unannealed	126	°C	ISO 75-2/A
Vicat Softening Temperature			
--	302	°C	ISO 306/A
--	223	°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

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