

VESTAMID® HTplus F1001

Polyphthalamide
Evonik Industries AG

Message:

Polyphthalamide especially suitable for filaments.
VESTAMID HTplus F1001 is based on a polyphthalamide (PPA). This special resin is specifically tailored for manufacturing monofilaments which can be subjected to high temperature.
VESTAMID HTplus F1001 is supplied as spherical pellets in polyethylene packaging.
Drying at 120°C for at least 4 hours before processing is recommended.
For information about processing of VESTAMID HTplus, please follow the general recommendations for PPA in our brochure. Handling and Processing of VESTAMID HTplus."
Furthermore our technical experts would appreciate to give support regarding the special requirements for producing filaments from VESTAMID HTplus F1001.

General Information			
Features	High Heat Resistance		
Uses	High Temperature Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.20	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3700	MPa	ISO 527-2
Tensile Stress			
Break	100	MPa	ISO 527-2
Break, 23°C, 0.370 mm ¹	> 300	MPa	ISO 527-2/1, ISO 527-2/2
Tensile Strain			
Break	3.0	%	ISO 527-2
Break, 23°C, 0.370 mm ²	> 150	%	ISO 527-2/1
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strain at Break (180°C, 3 hr, 0.370 mm)	> 150	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	300 to 315	°C	ISO 11357-3
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	4.0	hr	
NOTE			
1.	After extrusion		
2.	After extrusion		

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