



## Product Information

### Preliminary Product Information

#### VESTAMID® HT*plus* F1001

Polyphthalamide especially suitable for filaments

VESTAMID HT*plus* F1001 is based on a polyphthalamide (PPA). This special resin is **specifically tailored** for manufacturing monofilaments which can be subjected to high temperature.

VESTAMID HT*plus* F1001 is supplied as spherical pellets in polyethylene packaging.

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

Property	Test method		Unit	VESTAMID HT <sup>plus</sup> F1001	
	international	national			
Density	23°C	ISO 1183	DIN EN ISO 1183	g/cm <sup>3</sup>	1.20
Tensile test		ISO 527-1	DIN EN ISO 527-1		
Stress at break		ISO 527-2	DIN EN ISO 527-2	MPa	100
Strain at break				%	3
Tensile modulus		ISO 527-1	DIN EN ISO 527-1	MPa	3700
		ISO 527-2	DIN EN ISO 527-2		
Tensile test of filaments (aspect ratio 1:3, av. filament diam. ca. 0,37 mm)	following	following			
		ISO 527-1	DIN EN ISO 527-1		
		ISO 527-2	DIN EN ISO 527-2		
After extrusion					
Stress at break (23°C)				MPa	>300
Strain at break (23°C)				%	>150
After conditioning (3h / 180°C)					
Stress at break (23°C)				MPa	>300
Strain at break (23°C)				%	>150
Melting range		ISO 11357			
DSC	2 <sup>nd</sup> heating			°C	300-315

Pigmentation may affect values.

The results shown have been generated from a low number of production lots. Therefore, they are preliminary and not yet the result of a statistical evaluation. Therefore they must not be used to establish specifications.