

Product Information

Preliminary Product Information

VESTAMID® HT*plus* M1035

Glass-fiber reinforced polyphthalamide compound for injection molding

VESTAMID HT*plus* M1035 is a glass-fiber reinforced (50%), heat-stabilized polyphthalamide compound (PPA) for injection molding.

This compound is especially suitable for manufacturing parts subjected to high temperature.

VESTAMID HT*plus* 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 HT*plus* M1035, please follow the general recommendations for PPA in our information „Handling and Processing of VESTAMID HT*plus*.“

For further information, please contact our experts in the department Market Development of the High Performance Polymers Business Line.

Property	Test method		Unit	VESTAMID HTplus M1035	
	international	national			
Density	23°C	ISO 1183	DIN EN ISO 1183	g/cm ³	1.64
Tensile test		ISO 527-1	DIN EN ISO 527-1		
Stress at break		ISO 527-2	DIN EN ISO 527-2	MPa	250
Strain at break				%	2
Tensile modulus		ISO 527-1	DIN EN ISO 527-1	MPa	19000
		ISO 527-2	DIN EN ISO 527-2		
Flexural test		ISO 178	DIN EN ISO 178		
Flexural strength				MPa	360
Flexural modulus		ISO 178	DIN EN ISO 178	MPa	16000
CHARPY impact strength		ISO 179/1eU	DIN EN ISO 179/1eU		
	23°C			kJ/m ²	65 C ¹⁾
	-40°C			kJ/m ²	50 C ¹⁾
CHARPY notched impact strength		ISO 179/1eA	DIN EN ISO 179/1eA		
	23°C			kJ/m ²	12 C ¹⁾
	-40°C			kJ/m ²	14 C ¹⁾
Vicat softening temperature		ISO 306	DIN EN ISO 306		
Method A	10 N			°C	313
Method B	50 N			°C	289
Linear thermal expansion		ISO 11359	DIN 53752		
	20°C				
longitudinal				10 ⁻⁵ K ⁻¹	2.74
transverse				10 ⁻⁵ K ⁻¹	2.29
Volume resistivity		IEC 60093	IEC 60093	Ohm · m	10 ¹⁵
Spec. surface resistance		IEC 60093	IEC 60093	Ohm	10 ¹⁵
Melting range		ISO 11357			
DSC	2 nd heating			°C	300-315

Pigmentation may affect values.

¹⁾ C = Complete break, incl. hinge break H

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.

® = registered trademark

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