

Product Information

Preliminary Product Information

VESTAMID® HT*plus* M1900

Unreinforced, flame retardant polyphthalamide compound

VESTAMID HT*plus* M1900 is an unreinforced, heat-stabilized polyphthalamide compound (PPA) containing a halogen-free flame retardant. It is free of red phosphorus.

Due to the halogen-free flame retardant VESTAMID HT*plus* M1900 is especially suitable for interior parts in aircrafts, railway vehicles and ships.

This compound can be used for injection molding and is especially for manufacturing parts subjected to high temperature. Parts made of VESTAMID HT*plus* M1900 are suitable for using in reflow soldering process.

VESTAMID HT*plus* M1900 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 HTplus M1900	
	international	national			
Density	23°C	ISO 1183	DIN EN ISO 1183	g/cm ³	1.23
Tensile test		ISO 527-1	DIN EN ISO 527-1		
Stress at break		ISO 527-2	DIN EN ISO 527-2	MPa	75
Strain at break				%	1.8
Tensile modulus		ISO 527-1	DIN EN ISO 527-1	MPa	4200
		ISO 527-2	DIN EN ISO 527-2		
CHARPY impact strength		ISO 179/1eU	DIN EN ISO 179/1eU		
	23°C			kJ/m ²	22 C ¹⁾
	-40°C			kJ/m ²	24 C ¹⁾
CHARPY notched impact strength		ISO 179/1eA	DIN EN ISO 179/1eA		
	23°C			kJ/m ²	3 C ¹⁾
	-40°C			kJ/m ²	3 C ¹⁾
Temperature of deflection under load		ISO 75-1	DIN EN ISO 75-1		
		ISO 75-2	DIN EN ISO 75-2		
Method A	1.8 MPa			°C	138
Method B	0.45 MPa			°C	256
Melting range		ISO 11357			
DSC	2 nd heating			°C	300-315
Flammability acc. UL94		IEC 60695	UL94		
	0.4 mm				V-0
	0.8 mm				V-0

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.