

VESTAMID® HTplus M1900

Polyphthalamide
Evonik Industries AG

Message:

VESTAMID HTplus 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 HTplus 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 HTplus M1900 are suitable for using in reflow soldering process.

VESTAMID HTplus M1900 is supplied as spherical pellets in polyethylene packaging.

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

General Information			
Additive	Flame Retardant		
	Heat Stabilizer		
Features	Flame Retardant		
	Halogen Free		
	Heat Stabilized		
	High Heat Resistance		
Uses	Aircraft Interiors		
	High Temperature Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.23	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4200	MPa	ISO 527-2
Tensile Stress (Break)	75.0	MPa	ISO 527-2
Tensile Strain (Break)	1.8	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C, Complete Break	3.0	kJ/m²	
23°C, Complete Break	3.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-40°C, Complete Break	24	kJ/m²	
23°C, Complete Break	22	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	256	°C	ISO 75-2/B

1.8 MPa, Unannealed	138	°C	ISO 75-2/A
Melting Temperature	300 to 315	°C	ISO 11357-3
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.400 mm	V-0		
0.800 mm	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	4.0	hr	

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