

VAMPAMID HT 0023 V0

Polyphthalamide

Vamp Tech

Message:

PPA unfilled, halogen free, good mechanical properties, high chemical resistance and excellent operating temperature, UL 94 V0 at 0,8 mm, GWFI 960/1-2.

General Information			
Features	Good Chemical Resistance		
	Halogen Free		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	1.4	%	
Across Flow	1.4	%	
Water Absorption (Saturation)	0.50	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4000	MPa	ASTM D638
Tensile Strength (Yield)	70.0	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	3.0	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	30	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	120	°C	ASTM D648A
Vicat Softening Temperature	210	°C	ASTM D1525 ¹
RTI Elec	140	°C	UL 746
RTI Imp	140	°C	UL 746
RTI Str	140	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	300	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.800 mm	V-0		
1.60 mm	V-0		
3.20 mm	V-0		
Glow Wire Flammability Index (1.00 to 2.00 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (1.00 to 2.00 mm)	775	°C	IEC 60695-2-13

Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	3.0	hr
Processing (Melt) Temp	320	°C
Mold Temperature	120	°C

NOTE

1. Loading 2 (50 N)

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