

VAMPAMID HT 3028 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			
UL YellowCard	E140692-102290444		
Features	Good Chemical Resistance		
	Halogen Free		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.30	%	
Across Flow	0.70	%	
Water Absorption (Saturation)	0.40	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12500	MPa	ASTM D638
Tensile Strength (Yield)	155	MPa	ASTM D638
Tensile Elongation (Break)	1.8	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	6.0	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	45	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	275	°C	ASTM D648A
RTI Elec	150	°C	UL 746
RTI Imp	150	°C	UL 746
RTI Str	150	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	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	90.0	°C
Drying Time	3.0	hr
Processing (Melt) Temp	320	°C
Mold Temperature	130	°C

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