

VAMPAMID 66 5030 V0 P

Polyamide 66

Vamp Tech

Message:

UL 94 V0 at 0,8 mm, 50 % glass fiber, red phosphorus, excellent mechanical properties, GWFI 960/1-2, GWIT 775/1-2.

General Information			
UL YellowCard	E140692-319498		
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.61	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.20	%	
Across Flow	0.50	%	
Water Absorption (Saturation)	0.60	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15000	MPa	ASTM D638
Tensile Strength (Yield)	180	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	15000	MPa	ASTM D790
Flexural Strength	285	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	8.0	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)	250	°C	ASTM D648A
Vicat Softening Temperature	250	°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	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	275	°C	
Mold Temperature	100	°C	
NOTE			
1.	Loading 2 (50 N)		

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