

VAMPAMID 6 2028 V2 MF

Polyamide 6

Vamp Tech

Message:

UL 94 V2, 20 % glass fiber reinforced, halogen and red phosphorus free, very good dimensional stability, GWFI 960/1-2.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Good Dimensional Stability		
	Halogen Free		
	Low (to None) Phosphorus Content		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	1.1	%	
Across Flow	0.90	%	
Water Absorption (Saturation)	1.3	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5000	MPa	ASTM D638
Tensile Strength (Yield)	70.0	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	4500	MPa	ASTM D790
Flexural Strength	115	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	3.0	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	25	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	205	°C	ASTM D1525 ¹
RTI Elec	120	°C	UL 746
RTI Imp	120	°C	UL 746
RTI Str	120	°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-2		
1.60 mm	V-2		
3.20 mm	V-2		

Glow Wire Flammability Index (1.00 to 2.00 mm)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	250	°C	
Mold Temperature	90.0	°C	
NOTE			
1.	Loading 2 (50 N)		

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