

VAMPAMID 66 3028 V0 HF

Polyamide 66

Vamp Tech

Message:

UL 94 V0, 30 % glass fiber, halogen and red phosphorus free, with Vamp Tech F.R. system, excellent mechanical properties, GWFI 960/1-2, GWIT 775/1-2.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Halogen Free		
	Low (to None) Phosphorus Content		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.40	%	
Across Flow	0.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12000	MPa	ASTM D638
Tensile Strength (Yield)	170	MPa	ASTM D638
Tensile Elongation (Break)	2.1	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	7.0	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	40	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	245	°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	425	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	90.0	°C

NOTE

1. Loading 2 (50 N)

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