

VAMPAMID 6 3054 V0

Polyamide 6

Vamp Tech

Message:

UL 94 V0, 30% mixed mineral filled and glass fiber, PBDE - PBDF free, good electrical and thermal features.

General Information			
Filler / Reinforcement	Glass\Mineral,30% Filler by Weight		
Features	Good Electrical Properties		
	Good Thermal Stability		
Uses	Electrical/Electronic Applications		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.60	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8000	MPa	ASTM D638
Tensile Strength (Yield)	90.0	MPa	ASTM D638
Tensile Elongation (Break)	2.2	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	4.0	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	35	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	205	°C	ASTM D648A
Vicat Softening Temperature	210	°C	ASTM D1525 ¹
RTI Elec	120	°C	UL 746
RTI Imp	120	°C	UL 746
RTI Str	120	°C	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
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	250	°C	
Mold Temperature	100	°C	

NOTE

1. Loading 2 (50 N)

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