

VAMPAMID 6 0023 V2 H GW LD

Polyamide 6

Vamp Tech

Message:

UL 94 V2, PBDE & PBDF free, good mechanical properties and good electrical features, GWFI 850/1-2 GWIT 775/1-2.

General Information			
Features	Good Electrical Properties		
Uses	Electrical/Electronic Applications		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	1.6	%	
Across Flow	1.6	%	
Water Absorption (Saturation)	1.5	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ASTM D638
Tensile Strength (Yield)	45.0	MPa	ASTM D638
Tensile Elongation (Break)	> 10	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	6.0	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	60	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	160	°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	325	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)	850	°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	80.0	°C	
Drying Time	3.0	hr	

Processing (Melt) Temp	240	°C
Mold Temperature	80.0	°C
NOTE		
1.	Loading 2 (50 N)	

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