

VAMPLEN 0024 V0 A

Polypropylene Homopolymer
Vamp Tech

Message:
UL 94 V0 at 0,8 mm, homopolymer, halogen free, excellent electrical properties, RoHS.

General Information			
Features	Good Electrical Properties		
	Halogen Free		
	Homopolymer		
Uses	Electrical/Electronic Applications		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	1.2	%	
Across Flow	1.2	%	
Water Absorption (Saturation)	0.020	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1900	MPa	ASTM D638
Tensile Strength (Yield)	22.0	MPa	ASTM D638
Tensile Elongation (Break)	> 20	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	3.5	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	25	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	65.0	°C	ASTM D648A
Vicat Softening Temperature	100	°C	ASTM D1525 ¹
RTI Elec	100	°C	UL 746
RTI Imp	100	°C	UL 746
RTI Str	100	°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	70.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	210	°C	
Mold Temperature	60.0	°C	
NOTE			
1.	Loading 2 (50 N)		

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