

VAMPORAN 0024 V1 13

Polyphenylene Ether + PS

Vamp Tech

Message:

UL 94 V1, halogen free, good mechanical and thermal properties.

General Information			
Features	Halogen Free		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ASTM D638
Tensile Strength (Yield)	45.0	MPa	ASTM D638
Tensile Elongation (Break)	> 20	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	8.0	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	65	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	105	°C	ASTM D648A
Vicat Softening Temperature	130	°C	ASTM D1525 ¹
RTI Elec	100	°C	UL 746
RTI Imp	100	°C	UL 746
RTI Str	100	°C	UL 746
Flammability	Nominal Value	Test Method	
Flame Rating		UL 94	
1.60 mm	V-1		
3.20 mm	V-1		
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	290	°C	
Mold Temperature	90.0	°C	
NOTE			
1.	Loading 2 (50 N)		

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