

VAMPEEK A 0024

Polyetheretherketone

Vamp Tech

Message:

PEEK unfilled, low viscosity, UL 94 V0, halogen and red phosphorus free.

General Information			
Features	Halogen Free		
	Low (to None) Phosphorus Content		
	Low Viscosity		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.70	%	
Across Flow	1.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3700	MPa	ASTM D638
Tensile Strength (Yield)	100	MPa	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	6.0	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	No Break		ISO 180
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	310	°C	ASTM D1525 ¹
RTI Elec	240	°C	UL 746
RTI Imp	240	°C	UL 746
RTI Str	240	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+13	ohms	ASTM D257
Comparative Tracking Index	200	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-0		
3.20 mm	V-0		
Glow Wire Flammability Index (2.00 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (2.00 mm)	875	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	3.0	hr	

Processing (Melt) Temp	380	°C
Mold Temperature	180	°C
NOTE		
1.	Loading 2 (50 N)	

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