

VAMPEEK A 5010

Polyetheretherketone

Vamp Tech

Message:

PEEK 50% glass fiber reinforced, low viscosity, UL 94 V0, halogen and red phosphorus free.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Features	Halogen Free		
	Low (to None) Phosphorus Content		
	Low Viscosity		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.67	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.10	%	
Across Flow	0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	17000	MPa	ASTM D638
Tensile Strength (Yield)	175	MPa	ASTM D638
Tensile Elongation (Break)	1.6	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	7.0	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	50	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	330	°C	ASTM D648A
Vicat Softening Temperature	335	°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+14	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		
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	

Drying Time	3.0	hr
Processing (Melt) Temp	390	°C
Mold Temperature	180	°C

NOTE

1. Loading 2 (50 N)

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