

VAMPSTAT F 10C 05 V0 28

Polyphenylene Sulfide

Vamp Tech

Message:

PPS 10% carbon fiber reinforced, UL 94 V0 at 1,6 mm, halogen free, surface resistivity 10^{^5} ohm.

General Information			
Filler / Reinforcement	Carbon Fiber,10% Filler by Weight		
Features	Halogen Free		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.50	%	
Across Flow	0.90	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10500	MPa	ASTM D638
Tensile Strength (Yield)	100	MPa	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	3.5	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	20	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	225	°C	ASTM D1525 ¹
RTI Elec	220	°C	UL 746
RTI Imp	220	°C	UL 746
RTI Str	220	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+4	ohms	ASTM D257
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	320	°C	
Mold Temperature	120	°C	
NOTE			

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

