

VAMPSON L 4010

Polyphenylene Sulfide

Vamp Tech

Message:

Linear PPS, 40% glass fiber reinforced, UL 94 V0 at 1,6 mm, halogen and red phosphorus free, high chemical resistance and excellent operating temperature, good mechanicals properties.

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Features	Good Chemical Resistance		
	Halogen Free		
	Low (to None) Phosphorus Content		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.65	g/cm ³	ASTM D792
Water Absorption (Saturation)	0.020	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	16000	MPa	ASTM D638
Tensile Strength (Yield)	160	MPa	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	6.0	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	30	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	260	°C	ASTM D648A
Vicat Softening Temperature	255	°C	ASTM D1525 ¹
RTI Elec	200	°C	UL 746
RTI Imp	200	°C	UL 746
RTI Str	200	°C	UL 746
Flammability	Nominal Value	Test Method	
Flame Rating			UL 94
1.60 mm	V-0		
3.20 mm	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	130	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	320	°C	
Mold Temperature	140	°C	
NOTE			
1.	Loading 2 (50 N)		

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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

