

VAMPSON L 6031

Polyphenylene Sulfide

Vamp Tech

Message:

Linear PPS, 60% mixed glass fiber and mineral reinforced , halogen and red phosphorus free, high chemical resistance and excellent operating temperature, good mechanicals properties.

General Information			
Filler / Reinforcement	Glass\Mineral,60% Filler by Weight		
Features	Good Chemical Resistance		
	Halogen Free		
	Low (to None) Phosphorus Content		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.90	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.50	%	
Across Flow	0.60	%	
Water Absorption (Saturation)	0.020	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	16000	MPa	ASTM D790
Flexural Strength	100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	2.5	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	10	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	250	°C	ASTM D648A
Vicat Softening Temperature	250	°C	ASTM D1525 ¹
RTI Elec	200	°C	UL 746
RTI Imp	200	°C	UL 746
RTI Str	200	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	175	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	130	°C	
Drying Time	3.0	hr	

Processing (Melt) Temp	310	°C
Mold Temperature	140	°C
NOTE		
1.	Loading 2 (50 N)	

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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

