

SABIC Innovative Plastics LNP Verton OX07411 PPS

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

Material Notes:

LNP* Verton* OX07411 is a compound based on Polyphenylene Sulfide resin containing Long Glass Fiber. This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Verton-OX07411-PPS.php

Physical Properties	Metric	English	Comments
Density	1.67 g/cc	0.0603 lb/in ³	ASTM D 792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	191 MPa	27700 psi	ASTM D 638
	198 MPa	28700 psi	ISO 527
Tensile Strength, Yield	191 MPa	27700 psi	ASTM D 638
	198 MPa	28700 psi	ISO 527
Elongation at Break	1.6 %	1.6 %	ASTM D 638
	1.8 %	1.8 %	ISO 527
Elongation at Yield	1.6 %	1.6 %	ASTM D 638
	1.8 %	1.8 %	ISO 527
Tensile Modulus	14.4 GPa	2090 ksi	1 mm/min; ISO 527
	15.78 GPa	2289 ksi	50 mm/min; ASTM D 638
Flexural Strength	267 MPa	38700 psi	ASTM D 790
	285 MPa	41300 psi	ISO 178
Flexural Modulus	16.75 GPa	2429 ksi	ASTM D 790
	17.7 GPa	2570 ksi	ISO 178
Izod Impact, Notched	2.18 J/cm	4.08 ft-lb/in	ASTM D 256
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Unnotched	7.42 J/cm	13.9 ft-lb/in	ASTM D 4812
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Notched (ISO)	25.0 kJ/m ²	11.9 ft-lb/in ²	80*10*4; ISO 180/1A

Mechanical Properties	Metric	English	Comments
	@ Temperature 23.0 °C	@ Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	280 °C	536 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	277 °C	531 °F	unannealed; ASTM D 648
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	10000 - 1.00e+6 ohm-cm	10000 - 1.00e+6 ohm-cm	ASTM D 257

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