

SABIC Innovative Plastics LNP KONDUIT OX10324 PPS (Asia Pacific)

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

Material Notes:

Thermally conductive mineral filled PPS FR compound, with through-plane and in-plane thermal conductivity of 3.5 W/(m*K) and 15 W/(m*K) respectively, conforming to ASTM E 1461 test standard.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-KONDUIT-OX10324-PPS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.75 g/cc	0.0632 lb/in ³	ASTM D792
Water Absorption	0.010 % @Time 86400 sec	0.010 % @Time 24.0 hour	SABIC Method
Linear Mold Shrinkage, Flow	0.0016 cm/cm @Time 86400 sec	0.0016 in/in @Time 24.0 hour	ASTM D955
Linear Mold Shrinkage, Transverse	0.0020 cm/cm @Time 86400 sec	0.0020 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	49.0 MPa	7110 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	0.60 %	0.60 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	13.5 GPa	1960 ksi	5 mm/min; ASTM D638
Flexural Strength	75.0 MPa	10900 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	15.6 GPa	2260 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.240 J/cm	0.450 ft-lb/in	ASTM D256
Izod Impact, Unnotched	0.700 J/cm	1.31 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	13.2 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$ @Temperature -40.0 - 40.0 $^\circ\text{C}$	7.33 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$ @Temperature -40.0 - 104 $^\circ\text{F}$	ASTM E 831
CTE, linear, Transverse to Flow	25.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$ @Temperature -40.0 - 40.0 $^\circ\text{C}$	13.9 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$ @Temperature -40.0 - 104 $^\circ\text{F}$	ASTM E 831

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	@Thickness 6.40 mm	@Thickness 0.252 in	unannealed, ASTM D648
UL RTI, Electrical	130 °C	266 °F	UL 746B
UL RTI, Mechanical with Impact	130 °C	266 °F	UL 746B
UL RTI, Mechanical without Impact	130 °C	266 °F	UL 746B
Flammability, UL94	V-0 @Thickness 1.20 mm	V-0 @Thickness 0.0472 in	UL 94
Glow Wire Test	850 °C	1560 °F	IEC 60695-2-13

Electrical Properties	Metric	English	Comments
Surface Resistance	>= 25000 ohm	>= 25000 ohm	ASTM D257

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China