

Product Texts

LNP KONDUIT OX11314 compound is based on Polyphenylene Sulfide (PPS) resin containing mineral and glass fiber. Added features of this grade include: Thermally Conductive, Electrically Insulative and Non-Brominated, Non-Chlorinated Flame Retardant.

UL Yellow Card Link [E207780-101043961](https://www.ul.com/yellowcard/E207780-101043961)

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.18	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.24	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	12160	MPa	ASTM D 638
Tensile Strength at Break	44	MPa	ASTM D 638
Elongation at Break	0.6	%	ASTM D 638
Flexural Modulus	11200	MPa	ASTM D 790
Izod Impact notched, 1/8 in	25	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	90	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (GWIT)	875	°C	IEC 60695-2-13
GWIT - thickness tested (1)	1	mm	-
Glow Wire Ignition Temperature (GWIT)	960	°C	IEC 60695-2-13
GWIT - thickness tested (3)	3	mm	-
ASTM Data			
Specific Heat	1440	J/(kg K)	ASTM C 351

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	600	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	4	kV/mm	ASTM D 149
Surface Resistivity	1E15	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Humidity absorption	0.03	%	Sim. to ISO 62
Density	1900	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120 - 150	°C	-
Pre-drying - Time	4	h	-
Melt temperature	320 - 350	°C	-
Mold temperature	110 - 150	°C	-
Zone 1	315 - 345	°C	-
Zone 2	315 - 345	°C	-
Zone 3	315 - 345	°C	-
Screw speed	60 - 100	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics

LNP™ KONDUIT™ Compound OX11314 - Asia

PPS-(GF+MF)

Saudi Basic Industries Corporation (SABIC)

Processing

Injection Molding

Special Characteristics

Flame retardant, Thermally Conductive

Additives

Flame retarding agent

Regional Availability

Asia Pacific