

## SABIC Innovative Plastics LNP KONDUIT PX11422 PA 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

**Material Notes:**

LNP\* KONDUIT\* is a compound based on Nylon 6 resin containing thermally conductive fillers. Added feature of this material is Electrically Conductive.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-KONDUIT-PX11422-PA-6.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-KONDUIT-PX11422-PA-6.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.48 g/cc	1.48 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	53.0 MPa	7690 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	1.0 %	1.0 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	9.69 GPa	1410 ksi	5 mm/min; ASTM D638
Flexural Strength	82.0 MPa	11900 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	9.21 GPa	1340 ksi	ASTM D790
Izod Impact, Notched	0.260 J/cm	0.487 ft-lb/in	ASTM D256
Izod Impact, Unnotched	1.27 J/cm	2.38 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Thermal Conductivity	2.20 W/m-K	15.3 BTU-in/hr-ft <sup>2</sup> -°F	ASTM C177
Deflection Temperature at 1.8 MPa (264 psi)	174 °C @Thickness 3.20 mm	345 °F @Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistance	10000 ohm	10000 ohm	ASTM D257

### Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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