

Product Texts

LNP KONDUIT PX11311 compound is based on Nylon 6 resin containing mineral and glass fiber. Added features of this grade include: Thermally Conductive, Electrically Insulative and Non-Brominated, Non-Chlorinated Flame Retardant.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	12500	MPa	ISO 527
Stress at break	102	MPa	ISO 527
Strain at break	1.5	%	ISO 527
Flexural modulus	11000	MPa	ISO 178
Izod impact strength, +23°C, 4mm	22	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	3	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	185	°C	ISO 75-1/-2
Vicat softening temperature, 120°C/h 50N	208	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	1760	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.25	%	-
Melt temperature	270 - 295	°C	-
Mold temperature	85 - 100	°C	-
Zone 1	260 - 275	°C	-
Zone 2	270 - 290	°C	-
Zone 3	270 - 290	°C	-
Screw speed	20 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, Thermally Conductive

Additives

Flame retarding agent

Regional Availability

Europe