

SABIC Innovative Plastics LNP Stat-kon PX98038 PA 6 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

LNP* STATKON* PX98038 is a compound based on PA6 resin containing Carbon Fiber, Glass Fiber, Flame Retardant. Added features include : Flame Retardant, Electrically Conductive, Heat Stabilized. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Stat-kon-PX98038-PA-6-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	2.00 MPa	290 psi	5 mm/min; ISO 527
Tensile Strength, Yield	136 MPa	19700 psi	5 mm/min; ISO 527
Elongation at Break	3.9 %	3.9 %	Flexural Strain, 2 mm/min; ISO 178
Tensile Modulus	12.2 GPa	1770 ksi	1 mm/min; ISO 527
Flexural Strength	199 MPa	28900 psi	2 mm/min; ISO 178
Flexural Yield Strength	201 MPa	29200 psi	2 mm/min; ISO 178
Flexural Modulus	9.40 GPa	1360 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	7.00 kJ/m ² @Temperature 23.0 °C	3.33 ft-lb/in ² @Temperature 73.4 °F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	35.0 kJ/m ² @Temperature 23.0 °C	16.7 ft-lb/in ² @Temperature 73.4 °F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	19.0 µm/m-°C @Temperature 23.0 - 60.0 °C	10.6 µin/in-°F @Temperature 73.4 - 140 °F	ISO 11359-2
CTE, linear, Transverse to Flow	89.0 µm/m-°C @Temperature 23.0 - 60.0 °C	49.4 µin/in-°F @Temperature 73.4 - 140 °F	ISO 11359-2

Thermal Properties	Metric	English	Comments
Temperature at 1.8 MPa (264 psi)	150 °C	317 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af
Flammability, UL94	V-1 @Thickness 3.00 mm	V-1 @Thickness 0.118 in	UL 94 by SABIC-IP

Electrical Properties	Metric	English	Comments
Surface Resistance	10000 - 1.00e+6 ohm	10000 - 1.00e+6 ohm	ASTM D 257

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