

SABIC Innovative Plastics LNP LUBRICOMP BX02715 SAN

Category : Polymer , Thermoplastic , SAN Polymer

Material Notes:

LNP* LUBRICOMP* BX02715 is a compound based on SAN containing proprietary fillers. Added features of this grade include: Wear Resistant, Tight Dimensional Tolerance, Good for Water Meter Applications.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-BX02715-SAN.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	ASTM D792
Density	1.35 g/cc	0.0488 lb/in ³	ASTM D792
	1.35 g/cc	0.0488 lb/in ³	ISO 1183
Moisture Absorption	0.110 %	0.110 %	50% RH, 24 hrs; ASTM D570
	0.150 %	0.150 %	23°C / 50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	58.0 MPa	8410 psi	5 mm/min; ISO 527
	60.0 MPa	8700 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	1.0 %	1.0 %	5 mm/min; ISO 527
	1.1 %	1.1 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	8.46 GPa	1230 ksi	1 mm/min; ISO 527
	9.18 GPa	1330 ksi	5 mm/min; ASTM D638
Flexural Strength	71.0 MPa	10300 psi	ISO 178
	87.0 MPa	12600 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	7.97 GPa	1160 ksi	2 mm/min; ISO 178
	8.10 GPa	1170 ksi	1.3 mm/min, 50 mm span; ASTM D790

Izod Impact, Notched Mechanical Properties	0.110 J/cm Metric	0.205 ft-lb/in English	ASTM D256 Comments
Izod Impact, Unnotched	0.830 J/cm	1.55 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	1.00 kJ/m ²	0.476 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	6.00 kJ/m ²	2.86 ft-lb/in ²	80*10*4; ISO 180/1U
Dart Drop, Total Energy	3.00 J @Temperature 23.0 °C	2.21 ft-lb @Temperature 73.4 °F	ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	39.0 µm/m-°C	21.7 µin/in-°F	ASTM D696
	@Temperature -30.0 - 30.0 °C	@Temperature -22.0 - 86.0 °F	
CTE, linear, Transverse to Flow	45.0 µm/m-°C	25.0 µin/in-°F	ASTM D696
	@Temperature -30.0 - 30.0 °C	@Temperature -22.0 - 86.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	101 °C	214 °F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
	101 °C @Thickness 3.20 mm	214 °F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	96.0 °C	205 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	96.0 °C @Thickness 3.20 mm	205 °F @Thickness 0.126 in	unannealed; ASTM D648

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