

SABIC Innovative Plastics LNP LUBRICOMP LX82803 PEEK (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK)

Material Notes:

LNP* LUBRICOMP* LX82803 is a compound based on Polyetheretherketone resin containing Proprietary Lubricant. Added features include : Internally Lubricated.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-LX82803-PEEK-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0090 cm/cm	0.0090 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	86.0 MPa	12500 psi	5 mm/min; ISO 527
Tensile Strength, Yield	87.0 MPa	12600 psi	5 mm/min; ISO 527
Elongation at Break	8.3 %	8.3 %	Flexural Strain, break, 2 mm/min; ISO 178
Elongation at Yield	4.4 %	4.4 %	5 mm/min; ISO 527
Tensile Modulus	4.60 GPa	667 ksi	1 mm/min; ISO 527
Flexural Yield Strength	151 MPa	21900 psi	2 mm/min; ISO 178
Flexural Modulus	4.90 GPa	711 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m ²	2.86 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	40.0 kJ/m ²	19.0 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	39.0 Âµm/m-Â°C	21.7 Âµin/in-Â°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Â°C	@Temperature 73.4 - 140 Â°F	
CTE, linear, Transverse to Flow	49.0 Âµm/m-Â°C	27.2 Âµin/in-Â°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Â°C	@Temperature 73.4 - 140 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	207 Â°C	405 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa	153 Â°C	307 Â°F	

(264 psi)			
Thermal Properties	Metric	English	Flatw 80*10*4 sp=64mm; ISO 75/Af Comments

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