

SABIC Innovative Plastics LNP LUBRILOY U2000A PPA

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

Material Notes:

LNP* LUBRILOY* U2000A is a compound based on Polyphthalamide resin containing Proprietary Lubricant. Added feature of this material is: Wear Resistant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRILOY-U2000A-PPA.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ASTM D792
	1.14 g/cc	0.0412 lb/in ³	ISO 1183
Moisture Absorption	0.300 %	0.300 %	50% RH, 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.016 - 0.018 cm/cm	0.016 - 0.018 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
	0.017 cm/cm	0.017 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.016 - 0.018 cm/cm	0.016 - 0.018 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
	0.017 cm/cm	0.017 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Modulus	3.44 GPa	499 ksi	50 mm/min; ASTM D638
	3.53 GPa	512 ksi	1 mm/min; ISO 527
Flexural Modulus	2.75 GPa	399 ksi	ASTM D790
Izod Impact, Notched	0.580 J/cm	1.09 ft-lb/in	ASTM D256
Izod Impact, Unnotched	13.45 J/cm	25.20 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	80*10*4; ISO 180/1A
Dart Drop, Total Energy	4.00 J	2.95 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763
Impact Test	16.0 J	11.8 ft-lb	Multiaxial Impact; ISO 6603
Coefficient of Friction, Dynamic	0.22	0.22	ASTM D3702 Modified

Mechanical Properties	Metric	English	Comments
K (wear) Factor	14.1 x 10 ⁻⁸ mm ³ /N-M	7.00 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	Ring; ASTM D3702 Modified
	40.3 x 10 ⁻⁸ mm ³ /N-M	20.0 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	Washer; ASTM D3702 Modified

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	70.2 Åµm/m-Å°C	39.0 Åµin/in-Å°F	ASTM E 831
	@Temperature -40.0 - 40.0 Å°C	@Temperature -40.0 - 104 Å°F	
	71.0 Åµm/m-Å°C	39.4 Åµin/in-Å°F	ISO 11359-2
	@Temperature -40.0 - 40.0 Å°C	@Temperature -40.0 - 104 Å°F	
CTE, linear, Transverse to Flow	70.2 Åµm/m-Å°C	39.0 Åµin/in-Å°F	ASTM E 831
	@Temperature -40.0 - 40.0 Å°C	@Temperature -40.0 - 104 Å°F	
	71.0 Åµm/m-Å°C	39.4 Åµin/in-Å°F	ISO 11359-2
	@Temperature -40.0 - 40.0 Å°C	@Temperature -40.0 - 104 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	183 Å°C	361 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
	163 Å°C	325 Å°F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Deflection Temperature at 1.8 MPa (264 psi)	103 Å°C	217 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	106 Å°C	223 Å°F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

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