

SABIC Innovative Plastics LNP LUBRICOMP UX95672 PPA

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

Material Notes:

LNP LUBRICOMP* UX95672 is a compound based on Polyphthalamide resin containing Proprietary Filler(s). Added feature of this material is: Wear Resistant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-UX95672-PPA.php

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 lb/in ³	ASTM D792
	1.46 g/cc	0.0527 lb/in ³	ISO 1183
Moisture Absorption	0.280 %	0.280 %	50% RH, 24 hrs; ASTM D570
	0.330 %	0.330 %	23 ^o C / 50% RH; ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	132 MPa	19100 psi	ISO 527
	163 MPa	23600 psi	ASTM D638
Elongation at Break	1.3 %	1.3 %	ISO 527
	1.7 %	1.7 %	ASTM D638
Tensile Modulus	11.48 GPa	1665 ksi	1 mm/min; ISO 527
	12.75 GPa	1849 ksi	50 mm/min; ASTM D638
Flexural Strength	255 MPa	37000 psi	ASTM D790
	262 MPa	38000 psi	ISO 178
Flexural Modulus	11.23 GPa	1629 ksi	ASTM D790
	11.33 GPa	1643 ksi	ISO 178
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256
Izod Impact, Unnotched	6.30 J/cm	11.8 ft-lb/in	ASTM D4812
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)	44.0 kJ/m ²	20.9 ft-lb/in ²	80*10*4; ISO 180/1U
Dart Drop, Total Energy	4.00 J	2.95 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763

Mechanical Properties	2.00 J Metric	1.48 ft-lb English	Multiaxial Impact; ISO 6603 Comments
Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	255 Â°C	491 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	260 Â°C @Thickness 3.20 mm	500 Â°F @Thickness 0.126 in	unannealed; ASTM D648

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