

SABIC Innovative Plastics LNP LUBRILLOY UX99725 PPA

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

Material Notes:

LNP LUBRILLOY* UX99725 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-LUBRILLOY-UX99725-PPA.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	ISO 1183
Water Absorption	0.46 %	0.46 %	ISO 62-1
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.014 cm/cm	0.014 in/in	SABIC Method
	0.019 cm/cm	0.019 in/in	
	@Time 86400 sec	@Time 24.0 hour	ISO 294
Linear Mold Shrinkage, Transverse	0.015 cm/cm	0.015 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	57.0 MPa	8270 psi	5 mm/min; ISO 527
Tensile Strength, Yield	63.0 MPa	9140 psi	ISO 527
	70.0 MPa	10200 psi	
Elongation at Yield	6.5 %	6.5 %	5 mm/min; ISO 527
Tensile Modulus	2.20 GPa	319 ksi	1 mm/min; ISO 527
Flexural Yield Strength	93.0 MPa	13500 psi	2 mm/min; ISO 178
Flexural Modulus	2.10 GPa	305 ksi	2 mm/min; ISO 178
	2.36 GPa	342 ksi	
Izod Impact, Notched (ISO)	11.0 kJ/m ²	5.23 ft-lb/in ²	80*10*4; ISO 180/1A

Thermal Properties	Metric	English	Comments
CTE, linear, Transverse to Flow	84.0 Âµm/m-Â°C	46.7 Âµin/in-Â°F	ISO 11359-2
	@Temperature 23.0 -	@Temperature 73.4 -	

Thermal Properties	60.0 Å°C Metric	140 Å°F English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	147 Å°C	297 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	129 Å°C	264 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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