

SABIC Innovative Plastics LNP LUBRILOY D20009 PC

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP LUBRILOY* D20009 is a compound based on Polycarbonate resin containing Proprietary Lubricant. Added features of this material include: Flame Retardant, Wear Resistant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRILOY-D20009-PC.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0060 - 0.0080 cm/cm @Time 86400 sec	0.0060 - 0.0080 in/in @Time 24.0 hour	ASTM D955
Linear Mold Shrinkage, Transverse	0.0060 - 0.0080 cm/cm @Time 86400 sec	0.0060 - 0.0080 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	61.0 MPa	8850 psi	ASTM D638
Elongation at Break	84 %	84 %	ASTM D638
Flexural Strength	87.0 MPa	12600 psi	ASTM D790
Flexural Modulus	2.28 GPa	331 ksi	ASTM D790
Izod Impact, Notched	6.99 J/cm	13.1 ft-lb/in	ASTM D256
Izod Impact, Unnotched	NB	NB	ASTM D4812
Coefficient of Friction, Dynamic	0.25	0.25	ASTM D3702 Modified
Coefficient of Friction, Static	0.13	0.13	ASTM D3702 Modified
K (wear) Factor	113 x 10 ⁻⁸ mm ³ /N-M	56.0 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	Washer; ASTM D3702 Modified

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	121 Â°C @Thickness 3.20 mm	250 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Flammability, UL94	V-2 @Thickness 1.50 mm	V-2 @Thickness 0.0591 in	UL 94 by SABIC-IP
	V-0	V-0	

Thermal Properties

Metric
@ Thickness 3.00 mm

English
@ Thickness 0.118 in

UL 94 by SABIC-IP
Comments

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