

SABIC Innovative Plastics LNP LUBRICOMP CL001I PS

Category : Polymer , Thermoplastic , Polystyrene (PS)

Material Notes:

LNP* Lubricomp* CL001I is a compound based on Polystyrene resin containing 5% PTFE. Added features of this material include: Internally Lubricated, High Impact.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-CL001I-PS.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0060 cm/cm @Time 86400 sec	0.0060 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	ASTM D638
Elongation at Break	37 %	37 %	ASTM D638
Tensile Modulus	1.85 GPa	268 ksi	50 mm/min; ASTM D638
Flexural Strength	34.0 MPa	4930 psi	ASTM D790
Flexural Modulus	1.86 GPa	270 ksi	ASTM D790
Izod Impact, Notched	0.960 J/cm	1.80 ft-lb/in	ASTM D256
Izod Impact, Unnotched	8.01 J/cm	15.0 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	72.0 °C @Thickness 3.20 mm	162 °F @Thickness 0.126 in	unannealed; ASTM D648

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