

SABIC Innovative Plastics LNP LUBRICOMP AL004 ABS

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

LNP* Lubricomp* AL004 is a compound based on Acrylonitrile Butadiene Styrene resin containing 20% PTFE. Added features of this material include: Internally Lubricated.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-AL004-ABS.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0070 cm/cm @Time 86400 sec	0.0070 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	34.0 MPa	4930 psi	ASTM D638
Elongation at Break	2.5 %	2.5 %	ASTM D638
Tensile Modulus	2.15 GPa	312 ksi	50 mm/min; ASTM D638
Flexural Strength	62.0 MPa	8990 psi	ASTM D790
Flexural Modulus	2.17 GPa	315 ksi	ASTM D790
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256
Izod Impact, Unnotched	4.37 J/cm	8.19 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	76.0 °C @Thickness 3.20 mm	169 °F @Thickness 0.126 in	unannealed; ASTM D648

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