

SABIC Innovative Plastics LNP LUBRICOMP CL002 PS (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polystyrene (PS)

Material Notes:

LNP* LUBRICOMP* CL002 is a compound based on Polystyrene resin containing PTFE. Added features include: Internally Lubricated.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-CL002-PS-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0060 cm/cm	0.0060 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	27.0 MPa	3920 psi	5 mm/min; ISO 527
Elongation at Break	13.3 %	13.3 %	5 mm/min; ISO 527
Tensile Modulus	2.00 GPa	290 ksi	1 mm/min; ISO 527
Flexural Strength	40.0 MPa	5800 psi	2 mm/min; ISO 178
Flexural Modulus	2.00 GPa	290 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	8.00 kJ/m ²	3.81 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	25.0 kJ/m ²	11.9 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	76.0 $\mu\text{m}/\text{m}\cdot\text{C}$	42.2 $\mu\text{in}/\text{in}\cdot\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $^{\circ}\text{C}$	@Temperature 73.4 - 140 $^{\circ}\text{F}$	
CTE, linear, Transverse to Flow	84.0 $\mu\text{m}/\text{m}\cdot\text{C}$	46.7 $\mu\text{in}/\text{in}\cdot\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $^{\circ}\text{C}$	@Temperature 73.4 - 140 $^{\circ}\text{F}$	
Deflection Temperature at 0.46 MPa (66 psi)	94.0 $^{\circ}\text{C}$	201 $^{\circ}\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	84.0 $^{\circ}\text{C}$	183 $^{\circ}\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Af

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