

SABIC Innovative Plastics LNP LUBRICOMP MFL36S PP (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

LNP* Lubricomp* MFL36S is a compound based on Polypropylene resin containing Glass Fiber, PTFE. Added features of this material include: Heat Stabilized.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-MFL36S-PP-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.0 MPa	12300 psi	5 mm/min; ISO 527
Elongation at Break	2.8 %	2.8 %	5 mm/min; ISO 527
Tensile Modulus	6.90 GPa	1000 ksi	1 mm/min; ISO 527
Flexural Strength	123 MPa	17800 psi	2 mm/min; ISO 178
Flexural Modulus	6.40 GPa	928 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m ²	4.76 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	50.0 kJ/m ²	23.8 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	30.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	16.7 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$	@Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$	
CTE, linear, Transverse to Flow	117 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	65.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$	@Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$	

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