

SABIC Innovative Plastics LNP LUBRICOMP DFL34XXP PC (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP* Lubricomp* DFL-4034 HP is a compound based on Polycarbonate resin containing Glass Fiber, PTFE.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-DFL34XXP-PC-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.44 g/cc	0.0520 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	on Tensile Bar; SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	100 MPa	14500 psi	5 mm/min; ISO 527
Elongation at Break	2.5 %	2.5 %	5 mm/min; ISO 527
Tensile Modulus	6.70 GPa	972 ksi	1 mm/min; ISO 527
Flexural Yield Strength	153 MPa	22200 psi	2 mm/min; ISO 178
Flexural Modulus	5.60 GPa	812 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	14.0 kJ/m ²	6.66 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	45.0 kJ/m ²	21.4 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	25.0 $\mu\text{m}/\text{m}\cdot\text{C}$	13.9 $\mu\text{in}/\text{in}\cdot\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $^{\circ}\text{C}$	@Temperature 73.4 - 140 $^{\circ}\text{F}$	
CTE, linear, Transverse to Flow	72.0 $\mu\text{m}/\text{m}\cdot\text{C}$	40.0 $\mu\text{in}/\text{in}\cdot\text{F}$	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)	147 $^{\circ}\text{C}$	297 $^{\circ}\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	142 $^{\circ}\text{C}$	288 $^{\circ}\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Af

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