

## SABIC Innovative Plastics LNP LUBRICOMP DFL32 PC (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

### Material Notes:

LNP\* Lubricomp\* DFL32 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-DFL32-PC-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-DFL32-PC-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in <sup>3</sup>	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, Yield	74.0 MPa	10700 psi	5 mm/min; ISO 527
Elongation at Yield	3.2 %	3.2 %	5 mm/min; ISO 527
Tensile Modulus	4.10 GPa	595 ksi	1 mm/min; ISO 527
Flexural Yield Strength	118 MPa	17100 psi	2 mm/min; ISO 178
Flexural Modulus	3.60 GPa	522 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	12.0 kJ/m <sup>2</sup>	5.71 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	35.0 kJ/m <sup>2</sup> @Temperature -30.0 °C	16.7 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	40.0 μm/m-°C	22.2 μin/in-°F	ISO 11359-2
	@Temperature 23.0 - 60.0 °C	@Temperature 73.4 - 140 °F	
CTE, linear, Transverse to Flow	83.0 μm/m-°C	46.1 μin/in-°F	ISO 11359-2
	@Temperature 23.0 - 60.0 °C	@Temperature 73.4 - 140 °F	
Deflection Temperature at 0.46 MPa (66 psi)	146 °C	295 °F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	141 °C	286 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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