

## SABIC Innovative Plastics LNP LUBRICOMP DFL36E PC (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

### Material Notes:

LNP\* LUBRICOMP\* DFL36E is a compound based on Polycarbonate resin containing Glass Fiber, PTFE. Added features include; Internally Lubricated, Easy Molding.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-LUBRICOMP-DFL36E-PC-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-DFL36E-PC-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.55 g/cc	0.0560 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.11 %	0.11 %	ISO 62-1
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0016 cm/cm	0.0016 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	118 MPa	17100 psi	5 mm/min; ISO 527
Elongation at Break	2.0 %	2.0 %	5 mm/min; ISO 527
	2.9 %	2.9 %	
Tensile Modulus	8.40 GPa	1220 ksi	1 mm/min; ISO 527
Flexural Strength	176 MPa	25500 psi	2 mm/min; ISO 178
Flexural Yield Strength	177 MPa	25700 psi	2 mm/min; ISO 178
Flexural Modulus	8.10 GPa	1170 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	11.0 kJ/m <sup>2</sup>	5.23 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	45.0 kJ/m <sup>2</sup>	21.4 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	24.0 µm/m-°C	13.3 µin/in-°F	ISO 11359-2
	@Temperature 23.0 - 60.0 °C	@Temperature 73.4 - 140 °F	
CTE, linear, Transverse to Flow	76.0 µm/m-°C	42.2 µin/in-°F	ISO 11359-2
	@Temperature 23.0 - 60.0 °C	@Temperature 73.4 - 140 °F	

Deflection Temperature at 1.8 MPa  
(264 psi)  
Thermal Properties

Metric

English

Comments 0+4 sp=64mm; ISO 75/Af

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