

## SABIC Innovative Plastics LNP Lubricomp GX07409X PSU

Category : Polymer , Thermoplastic , Polysulfone (PSU)

### Material Notes:

Wear resistant PSU This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-Lubricomp-GX07409X-PSU.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Lubricomp-GX07409X-PSU.php)

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in <sup>3</sup>	ASTM D 792
Linear Mold Shrinkage, Flow	0.0051 - 0.0071 cm/cm @Time 86400 sec	0.0051 - 0.0071 in/in @Time 24.0 hour	ASTM D 955
Linear Mold Shrinkage, Transverse	0.0063 - 0.0083 cm/cm @Time 86400 sec	0.0063 - 0.0083 in/in @Time 24.0 hour	ASTM D 955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	48.0 MPa	6960 psi	5 mm/min; ISO 527
Tensile Strength, Yield	68.0 MPa	9860 psi	5 mm/min; ISO 527
Elongation at Break	9.3 %	9.3 %	5 mm/min; ISO 527
Elongation at Yield	5.8 %	5.8 %	5 mm/min; ISO 527
Tensile Modulus	2.52 GPa	365 ksi	1 mm/min; ISO 527
Flexural Yield Strength	88.0 MPa	12800 psi	2 mm/min; ISO 178
Flexural Modulus	2.64 GPa	383 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	9.00 kJ/m <sup>2</sup> @Temperature 23.0 °C	4.28 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	219 kJ/m <sup>2</sup> @Temperature 23.0 °C	104 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	167 °C	333 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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