

SABIC Innovative Plastics LNP LUBRICOMP CX05031 PS (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polystyrene (PS)

Material Notes:

LNP* Lubricomp* CX05031 is a compound based on Polystyrene resin containing Graphite, Silicone. Added features include; Internally Lubricated.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-CX05031-PS-Europe-Africa-Middle-East.php

| Physical Properties | Metric | English | Comments |
|-----------------------------|--------------|---------------------------|--------------|
| Density | 1.20 g/cc | 0.0434 lb/in ³ | ISO 1183 |
| Linear Mold Shrinkage, Flow | 0.0020 cm/cm | 0.0020 in/in | SABIC Method |

| Mechanical Properties | Metric | English | Comments |
|------------------------------|------------------------|----------------------------|---|
| Tensile Strength at Break | 24.0 MPa | 3480 psi | 5 mm/min; ISO 527 |
| Tensile Strength, Yield | 30.0 MPa | 4350 psi | 5 mm/min; ISO 527 |
| Elongation at Break | 2.4 % | 2.4 % | Flexural Strain, break, 2 mm/min; ISO 178 |
| Elongation at Yield | 0.60 % | 0.60 % | 5 mm/min; ISO 527 |
| Tensile Modulus | 6.90 GPa | 1000 ksi | 1 mm/min; ISO 527 |
| Flexural Strength | 48.0 MPa | 6960 psi | 2 mm/min; ISO 178 |
| Flexural Yield Strength | 51.0 MPa | 7400 psi | 2 mm/min; ISO 178 |
| Flexural Modulus | 6.40 GPa | 928 ksi | 2 mm/min; ISO 178 |
| Izod Impact, Notched (ISO) | 3.00 kJ/m ² | 1.43 ft-lb/in ² | 80*10*4; ISO 180/1A |
| Izod Impact, Unnotched (ISO) | 5.00 kJ/m ² | 2.38 ft-lb/in ² | 80*10*4; ISO 180/1U |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|----------------------------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 87.0 °C | 189 °F | Flatw 80*10*4 sp=64mm; ISO 75/Bf |
| Deflection Temperature at 1.8 MPa (264 psi) | 81.0 °C | 178 °F | Flatw 80*10*4 sp=64mm; ISO 75/Af |

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