

SABIC Innovative Plastics LNP Lubricomp ICP36 PA6.12

Category : Polymer , Thermoplastic , Nylon , Nylon 612

Material Notes:

LNP* Lubricomp* ICP36 is a compound based on Nylon 6/12 resin containing PTFE, Carbon Fiber. Added features of this material include: Internally Lubricated, , Electrically Conductive. 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-ICP36-PA612.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|------------|
| Density | 1.30 g/cc | 0.0470 lb/in ³ | ASTM D 792 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|--|--|-----------------------|
| Tensile Strength at Break | 174 MPa | 25200 psi | ASTM D 638 |
| Elongation at Break | 1.7 % | 1.7 % | ASTM D 638 |
| Tensile Modulus | 19.92 GPa | 2889 ksi | 50 mm/min; ASTM D 638 |
| Flexural Strength | 275 MPa | 39900 psi | ASTM D 790 |
| Flexural Modulus | 16.68 GPa | 2419 ksi | ASTM D 790 |
| Izod Impact, Notched | 0.850 J/cm @Temperature 23.0 Â°C | 1.59 ft-lb/in @Temperature 73.4 Â°F | ASTM D 256 |
| Izod Impact, Unnotched | 8.01 J/cm @Temperature 23.0 Â°C | 15.0 ft-lb/in @Temperature 73.4 Â°F | ASTM D 4812 |

| Thermal Properties | Metric | English | Comments |
|--|-------------------------------|--------------------------------|------------------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 199 Â°C @Thickness 3.20 mm | 390 Â°F @Thickness 0.126 in | unannealed; ASTM D 648 |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China