

SABIC Innovative Plastics LNP Lubricomp KFL32L Acetal Copolymer (Asia Pacific)

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, 10% Glass Fiber Reinforced , Acetal Copolymer, PTFE Filled

Material Notes:

LNP* Lubricomp* KFL32L is a compound based on Acetal Copolymer resin containing Glass Fiber, PTFE. Added features of this material include: Internally Lubricated, Low Extractible. This data was supplied by SABIC-IP for the Asia Pacific region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Lubricomp-KFL32L-Acetal-Copolymer-Asia-Pacific.php

| Physical Properties | Metric | English | Comments |
|-----------------------------|-----------------|---------------------------|------------|
| Density | 1.58 g/cc | 0.0571 lb/in ³ | ASTM D 792 |
| Linear Mold Shrinkage, Flow | 0.0060 cm/cm | 0.0060 in/in | ASTM D 955 |
| | @Time 86400 sec | @Time 24.0 hour | |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|-----------------------|-----------------------|-----------------------|
| Tensile Strength at Break | 76.0 MPa | 11000 psi | ASTM D 638 |
| Elongation at Break | 2.5 % | 2.5 % | ASTM D 638 |
| Tensile Modulus | 5.51 GPa | 799 ksi | 50 mm/min; ASTM D 638 |
| Flexural Strength | 110 MPa | 16000 psi | ASTM D 790 |
| Flexural Modulus | 4.72 GPa | 685 ksi | ASTM D 790 |
| Izod Impact, Notched | 0.530 J/cm | 0.993 ft-lb/in | ASTM D 256 |
| | @Temperature 23.0 Å°C | @Temperature 73.4 Å°F | |
| Izod Impact, Unnotched | 5.03 J/cm | 9.42 ft-lb/in | ASTM D 4812 |
| | @Temperature 23.0 Å°C | @Temperature 73.4 Å°F | |

| Thermal Properties | Metric | English | Comments |
|---|--------------------|---------------------|------------------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 161 Å°C | 322 Å°F | unannealed; ASTM D 648 |
| | @Thickness 3.20 mm | @Thickness 0.126 in | |

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