

C.O.I.M. LARIPUR® LPR6560 PTMG Polyether Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP , Thermoplastic Polyurethane (TPUR), Polyether Grade

Material Notes:

Description: The products of the LARIPUR® line are thermoplastic polyurethanes. These products combine the technology of thermoplastic products with the features of polyurethanes:Excellent abrasion resistanceGreat flexibility with constancy at temperature variationsGood compression resistanceGood water and light resistanceGood resistance to oils, fats and to many types of solventsSeries 60 and E 2103

PTMG Ether: These products are based on PTMG polyether. In comparison to the LARIPUR® ester series, they show a higher resistance to hydrolysis and microbiological attacks, have higher cold flexibility but have lower thermal and oxidizing resistance. Information provided by P.A.T. Products, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_COIM-LARIPUR-LPR6560-PTMG-Polyether-Polyurethane.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|-----------|-----------|
| Specific Gravity | 1.18 g/cc | 1.18 g/cc | ASTM D792 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|---|---|--|
| Hardness, Shore D | 65 | 65 | ASTM D2240 |
| Tensile Strength, Yield | 67.4 MPa | 9780 psi | ASTM D412 |
| Elongation at Break | 340 % | 340 % | ASTM D412 |
| 50% Modulus | 0.0222 GPa | 3.22 ksi | ASTM D412 |
| 100% Modulus | 0.0263 GPa | 3.81 ksi | ASTM D412 |
| 300% Modulus | 0.0505 GPa | 7.32 ksi | ASTM D412 |
| Flexural Modulus | 0.400 GPa | 58.0 ksi | ASTM D790 |
| Izod Impact, Notched (ISO) | 8.10 kJ/m ² @Temperature -20.0 °C | 3.85 ft-lb/in ² @Temperature -4.00 °F | ASTM D256 |
| Tear Strength | 175 kN/m | 999 pli | ASTM D624 |
| Abrasion | 35 | 35 | mm ³ , Abrasion Loss; DIN 53516 |
| Torsional Stiffness | 87.0 MPa | 12600 psi | +20°C; ASTM D1043 |
| | 330 MPa | 47900 psi | -20°C; ASTM D1043 |

| Thermal Properties | Metric | English | Comments |
|-----------------------|--------|---------|------------|
| Vicat Softening Point | 138 °C | 280 °F | ASTM D1525 |

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