

C.O.I.M. LARIPUR® LPR6260 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-LPR6260-PTMG-Polyether-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.17 g/cc	1.17 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	ASTM D2240
Tensile Strength, Yield	66.4 MPa	9630 psi	ASTM D412
Elongation at Break	380 %	380 %	ASTM D412
50% Modulus	0.0171 GPa	2.48 ksi	ASTM D412
100% Modulus	0.0215 GPa	3.12 ksi	ASTM D412
300% Modulus	0.0442 GPa	6.41 ksi	ASTM D412
Flexural Modulus	0.250 GPa	36.3 ksi	ASTM D790
Izod Impact, Notched (ISO)	9.20 kJ/m ² @Temperature -20.0 °C	4.38 ft-lb/in ² @Temperature -4.00 °F	ASTM D256
Tear Strength	156 kN/m	890 pli	ASTM D624
Abrasion	35	35	mm ³ , Abrasion Loss; DIN 53516
Torsional Stiffness	56.0 MPa	8120 psi	+20°C; ASTM D1043
	252 MPa	36500 psi	-20°C; ASTM D1043

Thermal Properties	Metric	English	Comments
Vicat Softening Point	133 °C	271 °F	ASTM D1525

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