

C.O.I.M. LARIPUR® LPR7060 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-LPR7060-PTMG-Polyether-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	69	69	ASTM D2240
Tensile Strength, Yield	39.1 MPa	5670 psi	ASTM D412
Elongation at Break	730 %	730 %	ASTM D412
50% Modulus	0.00180 GPa	0.261 ksi	ASTM D412
100% Modulus	0.00250 GPa	0.363 ksi	ASTM D412
300% Modulus	0.00540 GPa	0.783 ksi	ASTM D412
Tear Strength	55.0 kN/m	314 pli	ASTM D624
Abrasion	30	30	mm3, Abrasion Loss; DIN 53516
Compression Set	20 %	20 %	70 hours at 23°C; ASTM D395
	44 %	44 %	Method B, 22 hours; ASTM D395
	@Temperature 70.0 °C	@Temperature 158 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	66.0 °C	151 °F	ASTM D1525

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