

C.O.I.M. LARIPUR® LPR2103-90AE 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-LPR2103-90AE-PTMG-Polyether-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	ASTM D2240
Tensile Strength, Yield	56.0 MPa	8120 psi	ASTM D412
Elongation at Break	510 %	510 %	ASTM D412
50% Modulus	0.00720 GPa	1.04 ksi	ASTM D412
100% Modulus	0.00950 GPa	1.38 ksi	ASTM D412
300% Modulus	0.0256 GPa	3.71 ksi	ASTM D412
Tear Strength	94.0 kN/m	536 pli	ASTM D624
Abrasion	35	35	mm ³ , Abrasion Loss; DIN 53516
Compression Set	22 %	22 %	70 hours at 23°C; ASTM D395
	48 %	48 %	Method B, 22 hours; ASTM D395
	@Temperature 70.0 °C	@Temperature 158 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	98.0 °C	208 °F	ASTM D1525

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