

C.O.I.M. LARIPUR® LPR9060 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-LPR9060-PTMG-Polyether-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	86	86	ASTM D2240
Tensile Strength, Yield	46.1 MPa	6690 psi	ASTM D412
Elongation at Break	610 %	610 %	ASTM D412
50% Modulus	0.00480 GPa	0.696 ksi	ASTM D412
100% Modulus	0.00650 GPa	0.943 ksi	ASTM D412
300% Modulus	0.0128 GPa	1.86 ksi	ASTM D412
Tear Strength	86.0 kN/m	491 pli	ASTM D624
Abrasion	35	35	mm3, Abrasion Loss; DIN 53516
Compression Set	25 %	25 %	70 hours at 23°C; ASTM D395
	45 %	45 %	Method B, 22 hours; ASTM D395
	@Temperature 70.0 °C	@Temperature 158 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	80.0 °C	176 °F	ASTM D1525
Flammability, UL94	V-2	V-2	Vertical Burning

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