

C.O.I.M. LARIPUR® LPR9060EF 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-LPR9060EF-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	86	86	ASTM D2240
Tensile Strength, Yield	43.3 MPa	6280 psi	ASTM D412
Elongation at Break	580 %	580 %	ASTM D412
50% Modulus	0.00500 GPa	0.725 ksi	ASTM D412
100% Modulus	0.00680 GPa	0.986 ksi	ASTM D412
300% Modulus	0.0155 GPa	2.25 ksi	ASTM D412
Tear Strength	70.0 kN/m	399 pli	ASTM D624
Abrasion	40	40	mm3, Abrasion Loss; DIN 53516
Compression Set	24 %	24 %	70 hours at 23°C; ASTM D395
	42 %	42 %	Method B, 22 hours; ASTM D395
	@Temperature 70.0 °C	@Temperature 158 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	100 °C	212 °F	ASTM D1525
Flammability, UL94	V-0	V-0	Vertical Burning

Descriptive Properties	Value	Comments
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Features	Flame Retardant, Transparent, Halogen Free	
Descriptive Properties	Value	Comments

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