

## C.O.I.M. LARIPUR® LPR70D60 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-LPR70D60-PTMG-Polyether-Polyurethane.php](http://www.lookpolymers.com/polymer_COIM-LARIPUR-LPR70D60-PTMG-Polyether-Polyurethane.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	72	72	ASTM D2240
Tensile Strength, Yield	70.0 MPa	10200 psi	ASTM D412
Elongation at Break	310 %	310 %	ASTM D412
50% Modulus	0.0303 GPa	4.39 ksi	ASTM D412
100% Modulus	0.0332 GPa	4.82 ksi	ASTM D412
300% Modulus	0.0551 GPa	7.99 ksi	ASTM D412
Flexural Modulus	0.950 GPa	138 ksi	ASTM D790
Izod Impact, Notched (ISO)	7.50 kJ/m <sup>2</sup> @Temperature -20.0 °C	3.57 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	ASTM D256
Tear Strength	230 kN/m	1310 pli	ASTM D624
Abrasion	40	40	mm <sup>3</sup> , Abrasion Loss; DIN 53516
Torsional Stiffness	232 MPa	33600 psi	+20°C; ASTM D1043
	472 MPa	68500 psi	-20°C; ASTM D1043

Thermal Properties	Metric	English	Comments
Vicat Softening Point	152 °C	306 °F	ASTM D1525

## **Contact Songhan Plastic Technology Co.,Ltd.**

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