

## C.O.I.M. LARIPUR® LPR5760 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-LPR5760-PTMG-Polyether-Polyurethane.php](http://www.lookpolymers.com/polymer_COIM-LARIPUR-LPR5760-PTMG-Polyether-Polyurethane.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	56	56	ASTM D2240
Tensile Strength, Yield	63.3 MPa	9180 psi	ASTM D412
Elongation at Break	400 %	400 %	ASTM D412
50% Modulus	0.0152 GPa	2.20 ksi	ASTM D412
100% Modulus	0.0191 GPa	2.77 ksi	ASTM D412
300% Modulus	0.0450 GPa	6.53 ksi	ASTM D412
Flexural Modulus	0.170 GPa	24.7 ksi	ASTM D790
Izod Impact, Notched (ISO)	10.5 kJ/m <sup>2</sup> @Temperature -20.0 °C	5.00 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	ASTM D256
Tear Strength	140 kN/m	799 pli	ASTM D624
Abrasion	35	35	mm <sup>3</sup> , Abrasion Loss; DIN 53516
Torsional Stiffness	40.0 MPa	5800 psi	+20°C; ASTM D1043
	205 MPa	29700 psi	-20°C; ASTM D1043

Thermal Properties	Metric	English	Comments
Vicat Softening Point	130 °C	266 °F	ASTM D1525

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

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