

## C.O.I.M. LARIPUR® LPR5260 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-LPR5260-PTMG-Polyether-Polyurethane.php](http://www.lookpolymers.com/polymer_COIM-LARIPUR-LPR5260-PTMG-Polyether-Polyurethane.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50	50	ASTM D2240
Tensile Strength, Yield	56.1 MPa	8140 psi	ASTM D412
Elongation at Break	490 %	490 %	ASTM D412
50% Modulus	0.0106 GPa	1.54 ksi	ASTM D412
100% Modulus	0.0130 GPa	1.89 ksi	ASTM D412
300% Modulus	0.0292 GPa	4.24 ksi	ASTM D412
Flexural Modulus	0.0960 GPa	13.9 ksi	ASTM D790
Tear Strength	127 kN/m	725 pli	ASTM D624
Abrasion	35	35	mm3, Abrasion Loss; DIN 53516
Compression Set	27 %	27 %	70 hours at 23°C; ASTM D395
	50 %	50 %	Method B, 22 hours; ASTM D395
	@Temperature 70.0 °C	@Temperature 158 °F	
Torsional Stiffness	22.0 MPa	3190 psi	+20°C; ASTM D1043
	113 MPa	16400 psi	-20°C; ASTM D1043

Thermal Properties	Metric	English	Comments
Vicat Softening Point	120 °C	248 °F	ASTM D1525

Thermal Properties

Metric

English

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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