

**C.O.I.M. LARIPUR® LPR5450 Modified Ester Polyurethane**

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyester, TP , Polyester Thermoplastic Elastomer , Polyurethane, TP

**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 50 Modified Ester: These products are obtained by homogeneously incorporating a small amount of raw material of unique chemical composition to the products of Series 25. They combine a high level of hardness with excellent cold impact resistance.Information provided by P.A.T. Products, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_COIM-LARIPUR-LPR5450-Modified-Ester-Polyurethane.php](http://www.lookpolymers.com/polymer_COIM-LARIPUR-LPR5450-Modified-Ester-Polyurethane.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	53	53	ASTM D2240
Tensile Strength, Yield	60.8 MPa	8820 psi	ASTM D412
Elongation at Break	450 %	450 %	ASTM D412
50% Modulus	0.0116 GPa	1.68 ksi	ASTM D412
100% Modulus	0.0141 GPa	2.05 ksi	ASTM D412
300% Modulus	0.0364 GPa	5.28 ksi	ASTM D412
Flexural Modulus	0.159 GPa	23.1 ksi	ASTM D790
Tear Strength	150 kN/m	856 pli	ASTM D624
Abrasion	40	40	mm <sup>3</sup> , Abrasion Loss; DIN 53516
Torsional Stiffness	37.0 MPa	5370 psi	+20°C; ASTM D1043
	170 MPa	24700 psi	-20°C; ASTM D1043

Thermal Properties	Metric	English	Comments
Vicat Softening Point	104 °C	219 °F	ASTM D1525

**Contact Songhan Plastic Technology Co.,Ltd.**Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China