

**C.O.I.M. LARIPUR® LPR5520 Standard Adipate 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 20 Standard Adipate Ester: These products are based on saturated polyesters. They exhibit strength and durability with excellent tear and abrasion resistance; good hydrolytic stability resistance to solvents, oxidation and UV light degradation.Information provided by P.A.T. Products, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_COIM-LARIPUR-LPR5520-Standard-Adipate-Ester-Polyurethane.php](http://www.lookpolymers.com/polymer_COIM-LARIPUR-LPR5520-Standard-Adipate-Ester-Polyurethane.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	57	57	ASTM D2240
Tensile Strength, Yield	63.2 MPa	9170 psi	ASTM D412
Elongation at Break	450 %	450 %	ASTM D412
50% Modulus	0.0152 GPa	2.20 ksi	ASTM D412
100% Modulus	0.0175 GPa	2.54 ksi	ASTM D412
300% Modulus	0.0380 GPa	5.51 ksi	ASTM D412
Flexural Modulus	0.180 GPa	26.1 ksi	ASTM D790
Tear Strength	160 kN/m	913 pli	ASTM D624
Abrasion	40	40	mm <sup>3</sup> , Abrasion Loss; DIN 53516
Torsional Stiffness	46.0 MPa	6670 psi	+20°C; ASTM D1043
	354 MPa	51300 psi	-20°C; ASTM D1043

Thermal Properties	Metric	English	Comments
Vicat Softening Point	126 °C	259 °F	ASTM D1525

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