

**C.O.I.M. LARIPUR® LPR8020 Standard Adipate Ester Polyurethane**

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

**Material Notes:**

The products of the LARIPUR® line are thermoplastic polyurethanes. These products combine the technology of thermoplastic products with the features of polyurethanes: Excellent abrasion resistance, Great flexibility with constancy at temperature variations, Good compression resistance, Good water and light resistance, Good resistance to oils, fats and to many types of solvents. Series 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-LPR8020-Standard-Adipate-Ester-Polyurethane.php](http://www.lookpolymers.com/polymer_COIM-LARIPUR-LPR8020-Standard-Adipate-Ester-Polyurethane.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	82	82	ASTM D2240
Tensile Strength, Yield	48.2 MPa	6990 psi	ASTM D412
Elongation at Break	590 %	590 %	ASTM D412
50% Modulus	0.00380 GPa	0.551 ksi	ASTM D412
100% Modulus	0.00530 GPa	0.769 ksi	ASTM D412
300% Modulus	0.0102 GPa	1.48 ksi	ASTM D412
Tear Strength	78.0 kN/m	445 pli	ASTM D624
Abrasion	30	30	mm <sup>3</sup> , Abrasion Loss; DIN 53516
Compression Set	18 %	18 %	70 hours at 23°C; ASTM D395
	41 %	41 %	Method B, 22 hours; ASTM D395
	@Temperature 70.0 °C	@Temperature 158 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	84.0 °C	183 °F	ASTM D1525

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