

**C.O.I.M. LARIPUR® LPR8520 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-LPR8520-Standard-Adipate-Ester-Polyurethane.php](http://www.lookpolymers.com/polymer_COIM-LARIPUR-LPR8520-Standard-Adipate-Ester-Polyurethane.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	86	86	ASTM D2240
Tensile Strength, Yield	51.6 MPa	7480 psi	ASTM D412
Elongation at Break	550 %	550 %	ASTM D412
50% Modulus	0.00490 GPa	0.711 ksi	ASTM D412
100% Modulus	0.00680 GPa	0.986 ksi	ASTM D412
300% Modulus	0.0149 GPa	2.16 ksi	ASTM D412
Tear Strength	95.0 kN/m	542 pli	ASTM D624
Abrasion	35	35	mm <sup>3</sup> , Abrasion Loss; DIN 53516
Compression Set	21 %	21 %	70 hours at 23°C; ASTM D395
	43 %	43 %	Method B, 22 hours; ASTM D395
	@Temperature 70.0 °C	@Temperature 158 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	86.0 °C	187 °F	ASTM D1525

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