

**C.O.I.M. LARIPUR® LPR7025 Special 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 25 Special Adipate Ester: These products are based on saturated polyesters. Products are based on saturated polyester. The features are similar to those of Series 20 but, by comparison, they are characterized by a higher resistance to hydrolysis and improved flexibility at low temperatures.

Information provided by P.A.T. Products, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_COIM-LARIPUR-LPR7025-Special-Adipate-Ester-Polyurethane.php](http://www.lookpolymers.com/polymer_COIM-LARIPUR-LPR7025-Special-Adipate-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 A	70	70	ASTM D2240
Tensile Strength, Yield	43.2 MPa	6270 psi	ASTM D412
Elongation at Break	670 %	670 %	ASTM D412
50% Modulus	0.00260 GPa	0.377 ksi	ASTM D412
100% Modulus	0.00350 GPa	0.508 ksi	ASTM D412
300% Modulus	0.0106 GPa	1.54 ksi	ASTM D412
Tear Strength	76.0 kN/m	434 pli	ASTM D624
Abrasion	30	30	mm <sup>3</sup> , Abrasion Loss; DIN 53516
Compression Set	23 %	23 %	70 hours at 23°C; ASTM D395
	58 %	58 %	Method B, 22 hours; ASTM D395
	@Temperature 70.0 °C	@Temperature 158 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	60.0 °C	140 °F	ASTM D1525

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