

## C.O.I.M. LARIPUR® LPR4525 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-LPR4525-Special-Adipate-Ester-Polyurethane.php](http://www.lookpolymers.com/polymer_COIM-LARIPUR-LPR4525-Special-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 D	46	46	ASTM D2240
Tensile Strength, Yield	61.3 MPa	8890 psi	ASTM D412
Elongation at Break	510 %	510 %	ASTM D412
50% Modulus	0.00980 GPa	1.42 ksi	ASTM D412
100% Modulus	0.0112 GPa	1.62 ksi	ASTM D412
300% Modulus	0.0260 GPa	3.77 ksi	ASTM D412
Flexural Modulus	0.100 GPa	14.5 ksi	ASTM D790
Tear Strength	126 kN/m	719 pli	ASTM D624
Abrasion	35	35	mm3, Abrasion Loss; DIN 53516
Compression Set	28 %	28 %	70 hours at 23°C; ASTM D395
	48 %	48 %	Method B, 22 hours; ASTM D395
	@Temperature 70.0 °C	@Temperature 158 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	120 °C	248 °F	ASTM D1525

**Contact Songhan Plastic Technology Co.,Ltd.**

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