

## C.O.I.M. LARIPUR® LPR5225 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-LPR5225-Special-Adipate-Ester-Polyurethane.php](http://www.lookpolymers.com/polymer_COIM-LARIPUR-LPR5225-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	51	51	ASTM D2240
Tensile Strength, Yield	63.2 MPa	9170 psi	ASTM D412
Elongation at Break	460 %	460 %	ASTM D412
50% Modulus	0.0115 GPa	1.67 ksi	ASTM D412
100% Modulus	0.0137 GPa	1.99 ksi	ASTM D412
300% Modulus	0.0397 GPa	5.76 ksi	ASTM D412
Flexural Modulus	0.115 GPa	16.7 ksi	ASTM D790
Tear Strength	145 kN/m	827 pli	ASTM D624
Abrasion	35	35	mm <sup>3</sup> , Abrasion Loss; DIN 53516
Compression Set	25 %	25 %	70 hours at 23°C; ASTM D395
	45 %	45 %	Method B, 22 hours; ASTM D395
	@Temperature 70.0 °C	@Temperature 158 °F	
Torsional Stiffness	26.0 MPa	3770 psi	+20°C; ASTM D1043
	169 MPa	24500 psi	-20°C; ASTM D1043

Thermal Properties	Metric	English	Comments
Vicat Softening Point	127 °C	261 °F	ASTM D1525

Thermal Properties

Metric

English

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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