

C.O.I.M. LARIPUR® LPR5925 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-LPR5925-Special-Adipate-Ester-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	59	59	ASTM D2240
Tensile Strength, Yield	68.9 MPa	9990 psi	ASTM D412
Elongation at Break	290 %	290 %	ASTM D412
50% Modulus	0.0164 GPa	2.38 ksi	ASTM D412
100% Modulus	0.0187 GPa	2.71 ksi	ASTM D412
300% Modulus	0.0450 GPa	6.53 ksi	ASTM D412
Flexural Modulus	0.235 GPa	34.1 ksi	ASTM D790
Izod Impact, Notched (ISO)	5.00 kJ/m ² @Temperature -20.0 °C	2.38 ft-lb/in ² @Temperature -4.00 °F	ASTM D256
Tear Strength	171 kN/m	976 pli	ASTM D624
Abrasion	40	40	mm ³ , Abrasion Loss; DIN 53516
Torsional Stiffness	58.0 MPa	8410 psi	+20°C; ASTM D1043
	370 MPa	53700 psi	-20°C; ASTM D1043

Thermal Properties	Metric	English	Comments
Vicat Softening Point	146 °C	295 °F	ASTM D1525

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