

C.O.I.M. LARIPUR® LPR9025 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-LPR9025-Special-Adipate-Ester-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	ASTM D2240
Tensile Strength, Yield	60.1 MPa	8720 psi	ASTM D412
Elongation at Break	540 %	540 %	ASTM D412
50% Modulus	0.00580 GPa	0.841 ksi	ASTM D412
100% Modulus	0.00730 GPa	1.06 ksi	ASTM D412
300% Modulus	0.0241 GPa	3.50 ksi	ASTM D412
Tear Strength	106 kN/m	605 pli	ASTM D624
Abrasion	30	30	mm ³ , Abrasion Loss; DIN 53516
Compression Set	24 %	24 %	70 hours at 23°C; ASTM D395
	45 %	45 %	Method B, 22 hours; ASTM D395
	@Temperature 70.0 °C	@Temperature 158 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	104 °C	219 °F	ASTM D1525

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