C.O.I.M. LARIPUR® LPR8025 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-LPR8025-Special-Adipate-Ester-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	82	82	ASTM D2240
Tensile Strength, Yield	55.2 MPa	8010 psi	ASTM D412
Elongation at Break	600 %	600 %	ASTM D412
50% Modulus	0.00400 GPa	0.580 ksi	ASTM D412
100% Modulus	0.00520 GPa	0.754 ksi	ASTM D412
300% Modulus	0.0144 GPa	2.09 ksi	ASTM D412
Tear Strength	95.0 kN/m	542 pli	ASTM D624
Abrasion	30	30	mm3, Abrasion Loss; DIN 53516
Compression Set	20 %	20 %	70 hours at 23°C; ASTM D395
	42 % @Temperature 70.0 °C	42 % @Temperature 158 °F	Method B, 22 hours; ASTM D395

Thermal Properties	Metric	English	Comments
Vicat Softening Point	73.0 °C	163 °F	ASTM D1525

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