

C.O.I.M. LARIPUR® LPR6520 Standard 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 20 Standard Adipate Ester: These products are based on saturated polyesters. They exhibit strength and durability with excellent tear and abrasion resistance; good hydrolytic stability resistance to solvents, oxidation and UV light degradation.Information provided by P.A.T. Products, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_COIM-LARIPUR-LPR6520-Standard-Adipate-Ester-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ASTM D2240
Tensile Strength, Yield	64.7 MPa	9380 psi	ASTM D412
Elongation at Break	420 %	420 %	ASTM D412
50% Modulus	0.0195 GPa	2.83 ksi	ASTM D412
100% Modulus	0.0225 GPa	3.26 ksi	ASTM D412
300% Modulus	0.0440 GPa	6.38 ksi	ASTM D412
Flexural Modulus	0.360 GPa	52.2 ksi	ASTM D790
Tear Strength	190 kN/m	1080 pli	ASTM D624
Abrasion	40	40	mm ³ , Abrasion Loss; DIN 53516
Torsional Stiffness	77.0 MPa	11200 psi	+20°C; ASTM D1043
	455 MPa	66000 psi	-20°C; ASTM D1043

Thermal Properties	Metric	English	Comments
Vicat Softening Point	150 °C	302 °F	ASTM D1525

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