

C.O.I.M. LARIPUR® LPR9020 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-LPR9020-Standard-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 A	91	91	ASTM D2240
Tensile Strength, Yield	54.8 MPa	7950 psi	ASTM D412
Elongation at Break	500 %	500 %	ASTM D412
50% Modulus	0.00700 GPa	1.02 ksi	ASTM D412
100% Modulus	0.00880 GPa	1.28 ksi	ASTM D412
300% Modulus	0.0205 GPa	2.97 ksi	ASTM D412
Tear Strength	108 kN/m	616 pli	ASTM D624
Abrasion	35	35	mm3, Abrasion Loss; DIN 53516
Compression Set	22 %	22 %	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	100 °C	212 °F	ASTM D1525

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