

C.O.I.M. LARIPUR® LPR6515 Plasticized Ester Polyurethane

Category : Polymer , Thermoplastic , Polyester, TP , Polyurethane, TP , Thermoplastic Polyurethane (TPUR), Polyester Grade

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 15 and 19

Plasticized Ester: These products are esters containing a small amount of a low migrating plasticizer. They are soft grade TPU mainly developed for the footwear industry. These two series of LARIPUR® combine the properties of polyurethane with those of rubber.Despite their low hardness, they exhibit fast processing cycles. Products belonging to Series 18 are fully transparent while those of Series 15 are opaque. Both exhibit a very good adhesion to most two component PU systems without any pre-treatment.Information provided by P.A.T. Products, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_COIM-LARIPUR-LPR6515-Plasticized-Ester-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65	65	ASTM D2240
Tensile Strength, Yield	45.3 MPa	6570 psi	ASTM D412
Elongation at Break	680 %	680 %	ASTM D412
50% Modulus	0.00180 GPa	0.261 ksi	ASTM D412
100% Modulus	0.00260 GPa	0.377 ksi	ASTM D412
300% Modulus	0.00850 GPa	1.23 ksi	ASTM D412
Tear Strength	65.0 kN/m	371 pli	ASTM D624
Abrasion	25	25	mm ³ , Abrasion Loss; DIN 53516
Compression Set	22 %	22 %	70 hours at 23°C; ASTM D395
	41 %	41 %	Method B, 22 hours; ASTM D395
	@Temperature 70.0 °C	@Temperature 158 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	67.0 °C	153 °F	ASTM D1525

Descriptive Properties	Value	Comments
Features	Opaque	

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