

C.O.I.M. LARIPUR® LPR6650 Modified 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 50 Modified Ester: These products are obtained by homogeneously incorporating a small amount of raw material of unique chemical composition to the products of Series 25. They combine a high level of hardness with excellent cold impact resistance.Information provided by P.A.T. Products, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_COIM-LARIPUR-LPR6650-Modified-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 D	63	63	ASTM D2240
Tensile Strength, Yield	66.6 MPa	9660 psi	ASTM D412
Elongation at Break	390 %	390 %	ASTM D412
50% Modulus	0.0191 GPa	2.77 ksi	ASTM D412
100% Modulus	0.0220 GPa	3.19 ksi	ASTM D412
300% Modulus	0.0458 GPa	6.64 ksi	ASTM D412
Flexural Modulus	0.380 GPa	55.1 ksi	ASTM D790
Izod Impact, Notched (ISO)	8.80 kJ/m ² @Temperature -20.0 °C	4.19 ft-lb/in ² @Temperature -4.00 °F	ASTM D256
Tear Strength	185 kN/m	1060 pli	ASTM D624
Abrasion	40	40	mm ³ , Abrasion Loss; DIN 53516
Torsional Stiffness	105 MPa	15200 psi	+20°C; ASTM D1043
	414 MPa	60000 psi	-20°C; ASTM D1043

Thermal Properties	Metric	English	Comments
Vicat Softening Point	152 °C	306 °F	ASTM D1525

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