

## C.O.I.M. LARIPUR® LPR5020 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 resistance, Great flexibility with constancy at temperature variations, Good compression resistance, Good water and light resistance, Good resistance to oils, fats and to many types of solvents. Series 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-LPR5020-Standard-Adipate-Ester-Polyurethane.php](http://www.lookpolymers.com/polymer_COIM-LARIPUR-LPR5020-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 D	50	50	ASTM D2240
Tensile Strength, Yield	58.1 MPa	8430 psi	ASTM D412
Elongation at Break	470 %	470 %	ASTM D412
50% Modulus	0.00820 GPa	1.19 ksi	ASTM D412
100% Modulus	0.0106 GPa	1.54 ksi	ASTM D412
300% Modulus	0.0268 GPa	3.89 ksi	ASTM D412
Flexural Modulus	0.0750 GPa	10.9 ksi	ASTM D790
Tear Strength	123 kN/m	702 pli	ASTM D624
Abrasion	35	35	mm <sup>3</sup> , Abrasion Loss; DIN 53516
Compression Set	24 %	24 %	70 hours at 23°C; ASTM D395
	50 %	50 %	Method B, 22 hours; ASTM D395
	@Temperature 70.0 °C	@Temperature 158 °F	
Torsional Stiffness	20.0 MPa	2900 psi	+20°C; ASTM D1043
	190 MPa	27600 psi	-20°C; ASTM D1043

Thermal Properties	Metric	English	Comments
Vicat Softening Point	105 °C	221 °F	ASTM D1525

Thermal Properties

Metric

English

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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