C.O.I.M. LARIPUR® LPR4625 Special Adipate Ester Polyurethane

Categories: 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 25 Special Adipate Ester: These products are based on saturated polyesters. Products are based on saturated polyester. The features are similar to those of Series 20 but, by comparison, they are characterized by a higher resistance to hydrolysis and improved flexibility at low temperatures.
Information provided by P.A.T. Products, Inc.

Vendors: No vendors are listed for this material. Please click here if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	46	46	ASTM D2240
Tensile Strength, Yield	61.3 MPa	8890 psi	ASTM D412
Elongation at Break	510 %	510 %	ASTM D412
50% Modulus	0.00980 GPa	1.42 ksi	ASTM D412
100% Modulus	0.0112 GPa	1.62 ksi	ASTM D412
300% Modulus	0.0260 GPa	3.77 ksi	ASTM D412
Flexural Modulus	0.100 GPa	14.5 ksi	ASTM D790
Tear Strength	126 kN/m	719 pli	ASTM D624
Abrasion	35	35	mm3, Abrasion Loss; DIN 53516
Compression Set	28 %	28 %	70 hours at 23°C; ASTM D395
	48 % @Temperature 70.0 °C	48 % @Temperature 158 °F	Method B, 22 hours; ASTM D395

Thermal Properties	Metric	English	Comments
Vicat Softening Point	120 °C	248 °F	ASTM D1525

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's terms of use regarding this information. Click here to view all the property values for this datasheet as they were originally entered into MatWeb.