

## C.O.I.M. LARIPUR® LPR2102-85AE Polycaprolactone Ester Polyurethane

Category : Polymer , Thermoplastic , 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 2102

**Polycaprolactone Ester:** Products based on polycaprolactones; they have the same features as TPU based on quality ester. Compared with series 25, they show a higher resistance to hydrolysis and very good elastic memory. Information provided by P.A.T. Products, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_COIM-LARIPUR-LPR2102-85AE-Polycaprolactone-Ester-Polyurethane.php](http://www.lookpolymers.com/polymer_COIM-LARIPUR-LPR2102-85AE-Polycaprolactone-Ester-Polyurethane.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	84	84	ASTM D2240
Tensile Strength, Yield	65.0 MPa	9430 psi	ASTM D412
Elongation at Break	510 %	510 %	ASTM D412
50% Modulus	0.00430 GPa	0.624 ksi	ASTM D412
100% Modulus	0.00620 GPa	0.899 ksi	ASTM D412
300% Modulus	0.0175 GPa	2.54 ksi	ASTM D412
Tear Strength	72.0 kN/m	411 pli	ASTM D624
Abrasion	30	30	mm3, Abrasion Loss; DIN 53516
Compression Set	17 %	17 %	70 hours at 23°C; ASTM D395
	36 %	36 %	Method B, 22 hours; ASTM D395
	@Temperature 70.0 °C	@Temperature 158 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	89.0 °C	192 °F	ASTM D1525

## Contact Songhan Plastic Technology Co.,Ltd.

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