

## C.O.I.M. LARIPUR® LPR107-93A Seal Grade TPU

Category : Polymer , Thermoplastic , Polyester, TP , 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 solventsSeal Grade TPU Products: These products were specially developed for manufacturing hydraulic gaskets or any other heavy-duty application requiring high compression resistance even at high temperature and/or in contact with oils and fats. Two products based on polycaprolactone polyester, E 2202-95A and E 107-93A, and one based on PTMG polyether, E 2203-93A.Information provided by P.A.T. Products, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_COIM-LARIPUR-LPR107-93A-Seal-Grade-TPU.php](http://www.lookpolymers.com/polymer_COIM-LARIPUR-LPR107-93A-Seal-Grade-TPU.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	93	93	ASTM D2240
Tensile Strength, Yield	57.7 MPa	8370 psi	ASTM D412
Elongation at Break	550 %	550 %	ASTM D412
50% Modulus	0.00900 GPa	1.31 ksi	ASTM D412
100% Modulus	0.0108 GPa	1.57 ksi	ASTM D412
300% Modulus	0.0266 GPa	3.86 ksi	ASTM D412
Flexural Modulus	0.0650 GPa	9.43 ksi	ASTM D790
Tear Strength	122 kN/m	696 pli	ASTM D624
Abrasion	35	35	mm <sup>3</sup> , Abrasion Loss; DIN 53516
Compression Set	17 %	17 %	70 hours at 23°C; ASTM D395
	18 %	18 %	Method B, 22 hours; ASTM D395
	@Temperature 70.0 °C	@Temperature 158 °F	
	38 %	38 %	70 hours; ASTM D395
	@Temperature 100 °C	@Temperature 212 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	175 °C	347 °F	ASTM D1525

Thermal Properties

Metric

English

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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