

## C.O.I.M. LARIPUR® LPR2203-93A Seal Grade TPU

Category : Polymer , Thermoplastic , Polyurethane, TP , Thermoplastic Polyurethane (TPUR), Polyether Grade

### 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-LPR2203-93A-Seal-Grade-TPU.php](http://www.lookpolymers.com/polymer_COIM-LARIPUR-LPR2203-93A-Seal-Grade-TPU.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	92	92	ASTM D2240
Tensile Strength, Yield	56.2 MPa	8150 psi	ASTM D412
Elongation at Break	500 %	500 %	ASTM D412
50% Modulus	0.00820 GPa	1.19 ksi	ASTM D412
100% Modulus	0.0105 GPa	1.52 ksi	ASTM D412
300% Modulus	0.0219 GPa	3.18 ksi	ASTM D412
Flexural Modulus	0.0450 GPa	6.53 ksi	ASTM D790
Tear Strength	91.0 kN/m	519 pli	ASTM D624
Abrasion	30	30	mm <sup>3</sup> , Abrasion Loss; DIN 53516
Compression Set	16 %	16 %	70 hours at 23°C; ASTM D395
	27 %	27 %	Method B, 22 hours; ASTM D395
	@Temperature 70.0 °C	@Temperature 158 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	145 °C	293 °F	ASTM D1525

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