

C.O.I.M. LARIPUR® LPR2202-95A 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-LPR2202-95A-Seal-Grade-TPU.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|-----------|-----------|
| Specific Gravity | 1.21 g/cc | 1.21 g/cc | ASTM D792 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|----------------------|---------------------|--|
| Hardness, Shore A | 93 | 93 | ASTM D2240 |
| Tensile Strength, Yield | 61.2 MPa | 8880 psi | ASTM D412 |
| Elongation at Break | 430 % | 430 % | ASTM D412 |
| 50% Modulus | 0.0101 GPa | 1.46 ksi | ASTM D412 |
| 100% Modulus | 0.0133 GPa | 1.93 ksi | ASTM D412 |
| 300% Modulus | 0.0374 GPa | 5.42 ksi | ASTM D412 |
| Flexural Modulus | 0.0620 GPa | 8.99 ksi | ASTM D790 |
| Tear Strength | 105 kN/m | 599 pli | ASTM D624 |
| Abrasion | 35 | 35 | mm ³ , Abrasion Loss; DIN 53516 |
| Compression Set | 17 % | 17 % | 70 hours at 23°C; ASTM D395 |
| | 26 % | 26 % | Method B, 22 hours; ASTM D395 |
| | @Temperature 70.0 °C | @Temperature 158 °F | |

| Thermal Properties | Metric | English | Comments |
|-----------------------|--------|---------|------------|
| Vicat Softening Point | 154 °C | 309 °F | ASTM D1525 |

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