

Lubrizol ESTANE® 5708 Ester Based Thermoplastic Polyurethane

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyurethane, TP , Thermoplastic Polyurethane, Elastomer, Polyester Grade

Material Notes:

Features: Very resilient product with excellent resistance to abrasion and tearing, low temperature flexibility, and resistant to certain chemicals. Uses: Hot melt adhesive, synthetic leather and fabric coating Available in Americas, Europe, Middle East, Africa, India and Asia Information provided by Lubrizol.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-ESTANE-5708-Ester-Based-Thermoplastic-Polyurethane.php

| Physical Properties | Metric | English | Comments |
|----------------------|-----------|-----------|---|
| Specific Gravity | 1.20 g/cc | 1.20 g/cc | ASTM D792 |
| Brookfield Viscosity | 5500 cP | 5500 cP | RVT Spindle #2, 20 RPM, 23°C, 20% T.S. in DMF |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|-------------|-----------|----------------|
| Hardness, Shore A | 85 | 85 | ASTM D2240 |
| Tensile Strength | 42.1 MPa | 6110 psi | ASTM D412/D638 |
| Elongation at Break | 490 % | 490 % | ASTM D412/D638 |
| 100% Modulus | 0.00550 GPa | 0.798 ksi | |
| 300% Modulus | 0.0159 GPa | 2.31 ksi | |

| Thermal Properties | Metric | English | Comments |
|---------------------------|----------|----------|------------|
| Vicat Softening Point | 100 °C | 212 °F | ASTM D1525 |
| Glass Transition Temp, Tg | -33.0 °C | -27.4 °F | DSC |

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