

## Lubrizol ESTANE® 5722 Ester Based Thermoplastic Polyurethane (European Grade)

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

### Material Notes:

**Description:** Estane® thermoplastic polyurethanes (TPUs) include elastomeric materials that bridge the gap between flexible rubber and rigid plastics. These materials offer toughness and durability in a flexible thermoplastic elastomer system that is easy to process in a wide range of equipment. The Estane® TPU portfolio of products offers high performance polyester - and polyether - based resins and compounds in a broad range of hardnesses to meet a variety of application needs. **Benefits of Estane® TPU:** Outstanding Abrasion and Wear Resistance Excellent Low Temperature Flexibility Superior Toughness and Durability Ease of Processing and Manufacturing Flexibility Colorability and Paintability with no adhesion promoter **Applications:** Film & Sheet Fabric coating & melt coating Wire & Cable Hose, Tube & Profile Custom molding Custom compounding Automotive interior/chassis and exterior painted trim Information provided by Noveon, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lubrizol-ESTANE-5722-Ester-Based-Thermoplastic-Polyurethane-European-Grade.php](http://www.lookpolymers.com/polymer_Lubrizol-ESTANE-5722-Ester-Based-Thermoplastic-Polyurethane-European-Grade.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	DIN 53479
Viscosity	600 - 1200 cP	600 - 1200 cP	NOV QC 020

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	93	93	DIN 53505
Hardness, Shore D	45	45	DIN 53505
Tensile Strength, Ultimate	68.0 MPa	9860 psi	DIN 53504
Elongation at Break	420 %	420 %	DIN 53504
50% Modulus	0.00940 GPa	1.36 ksi	DIN 53504
100% Modulus	0.0110 GPa	1.60 ksi	DIN 53504
300% Modulus	0.0412 GPa	5.98 ksi	DIN 53504
Tear Strength	125 kN/m	713 pli	DIN 53515

## Contact Songhan Plastic Technology Co.,Ltd.

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