

## Lubrizol ESTANE® 5707F1 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 ResistanceExcellent Low Temperature FlexibilitySuperior Toughness and DurabilityEase of Processing and Manufacturing FlexibilityColorability and Paintability with no adhesion promoter**Applications:** Film & SheetFabric coating & melt coatingWire & CableHose, Tube & ProfileCustom moldingCustom compoundingAutomotive interior/chassis and exterior painted trimInformation provided by Noveon, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lubrizol-ESTANE-5707F1-Ester-Based-Thermoplastic-Polyurethane-European-Grade.php](http://www.lookpolymers.com/polymer_Lubrizol-ESTANE-5707F1-Ester-Based-Thermoplastic-Polyurethane-European-Grade.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	DIN 53479
Viscosity	670 - 1290 cP	670 - 1290 cP	NOV QC 020

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	93	93	DIN 53505
Hardness, Shore D	44	44	DIN 53505
Tensile Strength, Ultimate	63.0 MPa	9140 psi	DIN 53504
Elongation at Break	420 %	420 %	DIN 53504
50% Modulus	0.00860 GPa	1.25 ksi	DIN 53504
100% Modulus	0.0110 GPa	1.60 ksi	DIN 53504
300% Modulus	0.0376 GPa	5.45 ksi	DIN 53504
Tear Strength	120 kN/m	685 pli	DIN 53515

## Contact Songhan Plastic Technology Co.,Ltd.

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