

## Lubrizol ESTANE® 58138 Ester Based Thermoplastic Polyurethane

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 promoterApplications: Film & SheetFabric coating & melt coatingWire & CableHose, Tube & ProfileCustom moldingCustom compoundingAutomotive interior/chassis and exterior painted trimSpecific Notes for this Material: Fast cycle, broad temperature performance, substrate for overmolding, excellent paintability (depending on lub pkg)

Information provided by Noveon, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lubrizol-ESTANE-58138-Ester-Based-Thermoplastic-Polyurethane.php](http://www.lookpolymers.com/polymer_Lubrizol-ESTANE-58138-Ester-Based-Thermoplastic-Polyurethane.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	75	75	ASTM D224
Tensile Strength, Ultimate	53.1 MPa	7700 psi	ASTM D412/D638
Elongation at Break	300 %	300 %	ASTM D412/D638
Flexural Modulus	1.03 GPa	150 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	154 °C	309 °F	ASTM D1525
Transformation Temperature	-21.1 °C	-6.00 °F	by DSC

## Contact Songhan Plastic Technology Co.,Ltd.

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