

## Lubrizol ESTANE® 58888 Ether Based Thermoplastic Polyurethane (European Grade)

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyurethane, TP , Thermoplastic Polyurethane, Elastomer, Ether 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 trim**Specific Notes for this Material:** Higher heat Information provided by Noveon, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lubrizol-ESTANE-58888-Ether-Based-Thermoplastic-Polyurethane-European-Grade.php](http://www.lookpolymers.com/polymer_Lubrizol-ESTANE-58888-Ether-Based-Thermoplastic-Polyurethane-European-Grade.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 g/cc	DIN 53479

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	88	88	DIN 53505
Tensile Strength, Ultimate	38.0 MPa	5510 psi	DIN 53504
Elongation at Break	640 %	640 %	DIN 53504
50% Modulus	0.00550 GPa	0.798 ksi	DIN 53504
100% Modulus	0.00640 GPa	0.928 ksi	DIN 53504
300% Modulus	0.00970 GPa	1.41 ksi	DIN 53504
Tear Strength	60.0 kN/m	342 pli	DIN 53515
Abrasion	45	45	mm<sup>3</sup>; DIN 53516
Compression Set	20 %	20 %	70 hrs./22°C; DIN 53517
	50 %	50 %	24 hrs./70°C; DIN 53517

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-70.0 °C	-94.0 °F	DIN 53546

Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China