

## Lubrizol ESTANE® 58141 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-58141-Ester-Based-Thermoplastic-Polyurethane-European-Grade.php](http://www.lookpolymers.com/polymer_Lubrizol-ESTANE-58141-Ester-Based-Thermoplastic-Polyurethane-European-Grade.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ISO 2781

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	96	96	ISO 868
Hardness, Shore D	49	49	ISO 868
Tensile Strength, Ultimate	30.0 MPa	4350 psi	ISO 37
Elongation at Break	540 %	540 %	ISO 37
Tensile Modulus	0.0880 GPa	12.8 ksi	ISO 527
50% Modulus	0.0101 GPa	1.46 ksi	ISO 37
100% Modulus	0.0117 GPa	1.70 ksi	ISO 37
300% Modulus	0.0200 GPa	2.90 ksi	ISO 37
Rebound	35 %	35 %	ISO 4662
Tear Strength	100 kN/m	571 pli	with incision; ISO 34B
	138 kN/m	787 pli	without incision; ISO 34B
Abrasion	45	45	mm <sup>3</sup> ; ISO 4649
Compression Set	19 %	19 %	70 hrs./22°C; ISO 815
	27 %	27 %	24 hrs./70°C; ISO 815

Mechanical Properties	Metric	English	Comments
Thermal Properties	Metric	English	Comments
Vicat Softening Point	135 °C	275 °F	A50; ISO 306

## 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