

Lubrizol ESTANE® 58370 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 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 Specific Notes for this Material: Halogenated flame retardant Information provided by Noveon, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-ESTANE-58370-Ether-Based-Thermoplastic-Polyurethane-European-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	DIN 53479

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	83	83	DIN 53505
Tensile Strength, Ultimate	30.0 MPa	4350 psi	DIN 53504
Elongation at Break	650 %	650 %	DIN 53504
50% Modulus	0.00410 GPa	0.595 ksi	DIN 53504
100% Modulus	0.00470 GPa	0.682 ksi	DIN 53504
300% Modulus	0.00680 GPa	0.986 ksi	DIN 53504
Tear Strength	40.0 kN/m	228 pli	DIN 53515
Abrasion	105	105	mm ³ ; DIN 53516
Compression Set	40 %	40 %	70 hrs./22°C; DIN 53517
	78 %	78 %	24 hrs./70°C; DIN 53517

Thermal Properties	Metric	English	Comments
Vicat Softening Point	56.0 °C	133 °F	A50; DIN 53460
Brittleness Temperature	-70.0 °C	-94.0 °F	DIN 53546

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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