

Lubrizol ESTANE® 5735 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-5735-Ester-Based-Thermoplastic-Polyurethane-European-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	DIN 53479
Viscosity	1800 - 2400 cP	1800 - 2400 cP	NOV QC 020

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	84	84	DIN 53505
Tensile Strength, Ultimate	45.0 MPa	6530 psi	DIN 53504
Elongation at Break	670 %	670 %	DIN 53504
50% Modulus	0.00310 GPa	0.450 ksi	DIN 53504
100% Modulus	0.00310 GPa	0.450 ksi	DIN 53504
300% Modulus	0.00530 GPa	0.769 ksi	DIN 53504
Tear Strength	55.0 kN/m	314 pli	DIN 53515

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

