

Lubrizol ESTANE® 5712F30 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-5712F30-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	2800 - 4000 cP	2800 - 4000 cP	NOV QC 020

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	92	92	DIN 53505
Hardness, Shore D	40	40	DIN 53505
Tensile Strength, Ultimate	49.0 MPa	7110 psi	DIN 53504
Elongation at Break	600 %	600 %	DIN 53504
50% Modulus	0.00570 GPa	0.827 ksi	DIN 53504
100% Modulus	0.00600 GPa	0.870 ksi	DIN 53504
300% Modulus	0.0100 GPa	1.45 ksi	DIN 53504
Tear Strength	80.0 kN/m	456 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