Lubrizol ESTANE® 5708F4 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 ResistanceExcellent Low Temperature FlexibilitySuperior Toughness and DurabilityEase of Processing and Manufacturing FlexibilityColorability and Paintability with no adhesion promoterApplications: Film & SheetFabric coating & melt coatingWire & CableHose, Tube & ProfileCustom moldingCustom compoundingAutomotive interior/chassis and exterior painted trimInformation provided by Noveon, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-ESTANE-5708F4-Ester-Based-Thermoplastic-Polyurethane-European-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	DIN 53479
Viscosity	700 - 1000 cP	700 - 1000 cP	NOV QC 020

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	86	86	DIN 53505
Tensile Strength, Ultimate	58.0 MPa	8410 psi	DIN 53504
Elongation at Break	500 %	500 %	DIN 53504
50% Modulus	0.00530 GPa	0.769 ksi	DIN 53504
100% Modulus	0.00620 GPa	0.899 ksi	DIN 53504
300% Modulus	0.0216 GPa	3.13 ksi	DIN 53504
Tear Strength	122 kN/m	696 pli	DIN 53515

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