

Lubrizol ESTANE® 58224 Ester Based Thermoplastic Polyurethane

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 Specific Notes for this Material: Excellent compatibility with PVC, tough and clear

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-ESTANE-58224-Ester-Based-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	75	75	ASTM D2240
Tensile Strength, Ultimate	24.8 MPa	3600 psi	ASTM D412/D638
Elongation at Break	800 %	800 %	ASTM D412/D638
Taber Abrasion, mg/1000 Cycles	3.5	3.5	CS-17; ASTM D3389 B
Compression Set	37 %	37 %	ASTM D395
Tensile Set	18 %	18 %	ASTM D412/D638

Thermal Properties	Metric	English	Comments
Vicat Softening Point	52.2 °C	126 °F	ASTM D1525
Transformation Temperature	-27.8 °C	-18.0 °F	by DSC

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