

Lubrizol ESTANE® 5778 Ester Based Thermoplastic Polyurethane

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyurethane, TP , Thermoplastic Polyurethane, Elastomer, Polyester Grade

Material Notes:

Features: It is especially well suited for dispersing co-ferrite as well as CrO₂ pigments used in video, audio, and data storage applications. This product offers excellent hydrolytic stability under accelerated test conditions as well as outstanding pigment dispersion characteristics. Because of its medium T_g, it offers excellent adhesion and easier calendaring for high quality video and audio formulations. An excellent video tape can be formulated by blending with other harder dispersing resins. It is also used for dispersing high-surface-area pigments as a polymeric dispersant. Uses: Tape binder, inks, lacquers and polymeric dispersing polymer for pigment dispersion Available in Europe, Middle East, Africa, India and Asia Information provided by Lubrizol.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-ESTANE-5778-Ester-Based-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792
Brookfield Viscosity	60 - 70 cP	60 - 70 cP	RVT Spindle #2, 20 RPM, 23°C, 15% T.S. in MEK
	70 - 80 cP	70 - 80 cP	RVT Spindle #2, 20 RPM, 23°C, 15% T.S. in THF
	180 - 200 cP	180 - 200 cP	RVT Spindle #2, 20 RPM, 23°C, 15% T.S. in Cyclohexanone

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	78	78	ASTM D224
Tensile Strength	34.5 MPa	5000 psi	ASTM D412/D638
Elongation at Break	250 %	250 %	ASTM D412/D638
100% Modulus	0.0179 GPa	2.60 ksi	ASTM D412/D638

Thermal Properties	Metric	English	Comments
Vicat Softening Point	37.8 °C	100 °F	ASTM D1525
Glass Transition Temp, T _g	31.0 °C	87.8 °F	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