

Lubrizol ESTANE® 5719 Ester Based Thermoplastic Polyurethane

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

Material Notes:

Features: High tensile strength, low temperature flexibility, and high adhesion to various substrates such as PET, PVC, and various fabrics. Uses: Fabric coating and audio tape binder, inks and solution cast pigment dispersion media Available in Americas, 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-5719-Ester-Based-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Brookfield Viscosity	200 cP	200 cP	RVT Spindle #2, 20 RPM, 23°C, 15% T.S. in MEK
	1500 cP	1500 cP	RVT Spindle #2, 20 RPM, 23°C, 15% T.S. in Cyclohexanone

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	ASTM D2240
Tensile Strength	50.3 MPa	7300 psi	ASTM D412/D638
Elongation at Break	430 %	430 %	ASTM D412/D638
100% Modulus	0.00230 GPa	0.334 ksi	ASTM D412/D638
300% Modulus	0.00590 GPa	0.856 ksi	ASTM D412/D638
Peel Strength	0.260 kN/m	1.48 pli	Adhesion to PET; TP-141

Thermal Properties	Metric	English	Comments
Vicat Softening Point	35.0 °C	95.0 °F	ASTM D1525
Glass Transition Temp, Tg	19.0 °C	66.2 °F	DSC

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