

Lubrizol ESTANE® 5715 Ester Based Thermoplastic Polyurethane

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

Material Notes:

Features: Hard, flexible, abrasion resistant coatings. Primarily used for all solution binder for inks and lacquers on fabrics and various substrates. Uses: Adhesives and inks & lacquers, pigment binders and cast films for heat lamination. 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-5715-Ester-Based-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792
Brookfield Viscosity	50 cP	50 cP	RVT Spindle #2, 20 RPM, 23°C, 15% T.S. in MEK
	440 cP	440 cP	RVT Spindle #2, 20 RPM, 23°C, 15% T.S. in Cyclohexanone

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	54	54	ASTM D224
Tensile Strength	46.2 MPa	6700 psi	ASTM D412/D638
Elongation at Break	290 %	290 %	ASTM D412/D638
100% Modulus	0.0100 GPa	1.45 ksi	ASTM D412/D638
Peel Strength	0.220 kN/m	1.26 pli	Adhesion to PET; TP-141

Thermal Properties	Metric	English	Comments
Vicat Softening Point	55.0 °C	131 °F	ASTM D-1525
Glass Transition Temp, Tg	23.0 °C	73.4 °F	DSC

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