

## Lubrizol ESTANE® 5707 Ester Based Thermoplastic Polyurethane

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

### Material Notes:

Features: Very high tensile strength, excellent low temperature flexibility and superior abrasion and cut resistance. It is processed by means of solution coating, extrusion and melt coating. Uses: Synthetic leather and magnetic media binder, inks and screen printing, films for 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-5707-Ester-Based-Thermoplastic-Polyurethane.php](http://www.lookpolymers.com/polymer_Lubrizol-ESTANE-5707-Ester-Based-Thermoplastic-Polyurethane.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792
Viscosity	85000 cP @Temperature 204 °C	85000 cP @Temperature 399 °F	Melt; ASTM D-1084-88
Brookfield Viscosity	600 cP	600 cP	RVT Spindle #2, 20 RPM, 23°C, 15% T.S. in THF

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	ASTM D2240
Hardness, Shore D	45	45	ASTM D2240
Tensile Strength	50.3 MPa	7300 psi	ASTM D412/D638
Elongation at Break	380 %	380 %	ASTM D412/D638
Peel Strength	0.0400 kN/m	0.228 pli	Adhesion to PET; TP-141
	0.0400 kN/m	0.228 pli	Aluminum Foil; ASTM D-1876-72
	2.30 kN/m	13.1 pli	Mylar Film; ASTM D-1876-72

Thermal Properties	Metric	English	Comments
Vicat Softening Point	92.2 °C	198 °F	ASTM D1525
Glass Transition Temp, Tg	-3.00 °C	26.6 °F	DSC

## Contact Songhan Plastic Technology Co.,Ltd.

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