

Lubrizol Estane® 58201 Thermoplastic Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP , Thermoplastic Polyurethane (TPUR), Polyether Grade

Material Notes:

Type: Estane® 58201 is an 82A Polyether-type thermoplastic polyurethane (TPU) compound. Features: Tear resistant properties. Uses: Injection Molding and general extrusion techniques. Available in Europe, Middle East, Africa, India and Asia. Information Provided by The Lubrizol Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Estane-58201-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.11 g/cc	1.11 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	82	82	ASTM D2240
Tensile Strength	39.0 MPa	5660 psi	ASTM D412; ASTM D638
Elongation at Break	680 %	680 %	ASTM D412; ASTM D638
50% Modulus	0.00380 GPa	0.551 ksi	ASTM D412; ASTM D638
100% Modulus	0.00460 GPa	0.667 ksi	ASTM D412; ASTM D638
300% Modulus	0.00710 GPa	1.03 ksi	ASTM D412; ASTM D638
Rebound	1.0 %	1.0 %	DIN 53512
Tear Strength	44.0 kN/m	251 pli	Die C; ASTM D624
Abrasion	43	43	mm³; DIN 53516
Compression Set	28 %	28 %	ASTM D395
	@Temperature 23.0 °C, Time 79200 sec	@Temperature 73.4 °F, Time 22.0 hour	
	71 %	71 %	ASTM D395
	@Temperature 70.0 °C, Time 79200 sec	@Temperature 158 °F, Time 22.0 hour	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-70.0 °C	-94.0 °F	DIN 53546

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