

Lubrizol Estane® MVT 75AT3 Thermoplastic Polyurethane, Moisture Vapor Transmission

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

Material Notes:

Type: Estane® MVT 75AT3 is a 75A aromatic polyether-based thermoplastic polyurethane (TPU).Features: High moisture vapor transmission with low water swell. Excellent low temperature properties and elasticity.Uses: Blown and flat die/cast film extrusion, injection molding and cable jacketing.Information Provided by The Lubrizol Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Estane-MVT-75AT3-Thermoplastic-Polyurethane-Moisture-Vapor-Transmission.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	72 - 78	72 - 78	ASTM D2240
	@Time 5.00 sec	@Time 0.00139 hour	
Tensile Strength, Ultimate	34.5 MPa	5000 psi	ASTM D412
Tensile Strength, Yield	4.14 MPa	600 psi	at 100%; ASTM D412
	6.21 MPa	900 psi	at 300%; ASTM D412
Elongation at Break	700 %	700 %	ASTM D412
Tear Strength	19.3 kN/m	110 pli	Trouser; ASTM D470
Graves Tear Strength	63.1 kN/m	360 pli	Die C; ASTM D624
Taber Abrasion, mg/1000 Cycles	20	20	H-18 wheel; ASTM D3389
	@Load 1.00 kg	@Load 2.20 lb	

Thermal Properties	Metric	English	Comments
Melting Point	136 °C	277 °F	DSC
Glass Transition Temp, Tg	-68.0 °C	-90.4 °F	DSC

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