

Lubrizol ESTAGRIP® ST70A Polyether-Type Thermoplastic Polyurethane

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

Material Notes:

Features: Low durometer soft feel for excellent grip; outstanding adhesion
 Uses: Injection Molding - Overmolding
 Availability: 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-ESTAGRIP-ST70A-Polyether-Type-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	67 - 73	67 - 73	ASTM D2240
	@Time 5.00 sec	@Time 0.00139 hour	
Tensile Strength	22.1 MPa	3210 psi	ASTM D412
Tensile Stress	2.60 MPa	377 psi	ASTM D412
	@Strain 100 %	@Strain 100 %	
Elongation at Break	4.50 MPa	653 psi	ASTM D412
	@Strain 300 %	@Strain 300 %	
Graves Tear Strength	61.4 kN/m	350 pli	die C; ASTM D624
Taber Abrasion, mg/1000 Cycles	33	33	H-18, 1000g; ASTM D3389 B

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-57.0 °C	-70.6 °F	by DSC

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	218 °C	424 °F	
Middle Barrel Temperature	221 °C	430 °F	
Front Barrel Temperature	227 °C	441 °F	
Nozzle Temperature	227 °C	441 °F	
Melt Temperature	227 °C	441 °F	pyrometer check of air shot

Contact Songhan Plastic Technology Co.,Ltd.

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