

Lubrizol Estane® R198A-8 Thermoplastic Polyurethane

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

Material Notes:

Type: Estane® R198A-8 is a Shore 98A, polyether type thermoplastic polyurethane (TPU). FDA approved (21 CFR 177.2600, 177.1680). Uses: Injection Molding, Extrusion. Information Provided by The Lubrizol Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Estane-R198A-8-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ASTM D792
Linear Mold Shrinkage	0.0070 cm/cm	0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	98	98	ASTM D2240
Hardness, Shore D	55	55	ASTM D2240
Tensile Strength, Ultimate	43.1 MPa	6260 psi	ASTM D412
Tensile Strength, Yield	14.7 MPa	2130 psi	at 100% elongation; ASTM D412
	25.5 MPa	3700 psi	at 300% elongation; ASTM D412
Elongation at Break	545 %	545 %	ASTM D412
Tear Strength	132 kN/m	756 pli	Die C; ASTM D624
Compression Set	20 %	20 %	ASTM D395
	@Temperature 23.0 °C, Time 79200 sec	@Temperature 73.4 °F, Time 22.0 hour	
	45 %	45 %	ASTM D395
	@Temperature 70.0 °C, Time 79200 sec	@Temperature 158 °F, Time 22.0 hour	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	130 °C	266 °F	ASTM D1525

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.comEmail : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China