

Lubrizol Estane® X-595A-11 Thermoplastic Polyurethane

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

Material Notes:

Type: Estane® X-595A-11 is a Shore 97A, polyester grade thermoplastic polyurethane (TPU). FDA approved (21 CFR 177.2600, 177.1680).Uses: Extrusion.Available in AsiaInformation Provided by The Lubrizol Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Estane-X-595A-11-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792
Melt Flow	22 g/10 min	22 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 224 °C	@Load 4.76 lb, Temperature 435 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	97	97	ASTM D2240
Tensile Strength, Ultimate	49.0 MPa	7110 psi	ASTM D412
Tensile Strength, Yield	13.2 MPa	1920 psi	at 100% elongation; ASTM D412
	23.5 MPa	3410 psi	at 300% elongation; ASTM D412
Elongation at Break	550 %	550 %	ASTM D412
Tear Strength	127 kN/m	728 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	
	50 %	50 %	ASTM D395
	@Temperature 70.0 °C, Time 79200 sec	@Temperature 158 °F, Time 22.0 hour	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	115 °C	239 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Zone 1	185 - 195 °C	365 - 383 °F	
Zone 2	190 - 200 °C	374 - 392 °F	

Zone 3 Processing Properties	195 - 205 °C Metric	383 - 401 °F English	Comments
Zone 4	195 - 205 °C	383 - 401 °F	
Die Temperature	190 - 200 °C	374 - 392 °F	

Descriptive Properties	Value	Comments
Adaptor (°C)	200-210	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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