

Lubrizol Estane® CS195A Thermoplastic Polyurethane

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

Material Notes:

Type: Estane® CS195A is a Shore 95A, polyester grade, calendaring processible thermoplastic polyurethane (TPU). FDA approved (21 CFR 177.2600, 177.1680).Uses: Calendaring, Molt roll processing.Information Provided by The Lubrizol Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Estane-CS195A-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	96	96	ASTM D2240
Tensile Strength, Ultimate	35.3 MPa	5120 psi	ASTM D412
Tensile Strength, Yield	9.81 MPa	1420 psi	at 100% elongation; ASTM D412
	18.1 MPa	2630 psi	at 300% elongation; ASTM D412
Elongation at Break	600 %	600 %	ASTM D412
Tear Strength	118 kN/m	672 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	
	40 %	40 %	ASTM D395
	@Temperature 70.0 °C, Time 79200 sec	@Temperature 158 °F, Time 22.0 hour	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	90.0 °C	194 °F	ASTM D1525

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