

Lubrizol Estane® CS185A Thermoplastic Polyurethane

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

Material Notes:

Type: Estane® CS185A is a Shore 85A, polyester grade, calendering processible thermoplastic polyurethane (TPU). FDA approved (21 CFR 177.2600, 177.1680).Uses: Calendering, Molt roll processing.Information Provided by The Lubrizol Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Estane-CS185A-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.17 g/cc	1.17 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	82	82	ASTM D2240
Tensile Strength, Ultimate	29.4 MPa	4270 psi	ASTM D412
Tensile Strength, Yield	5.39 MPa	782 psi	at 100% elongation; ASTM D412
	9.81 MPa	1420 psi	at 300% elongation; ASTM D412
Elongation at Break	750 %	750 %	ASTM D412
Tear Strength	93.2 kN/m	532 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	
	55 %	55 %	ASTM D395
	@Temperature 70.0 °C, Time 79200 sec	@Temperature 158 °F, Time 22.0 hour	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	65.0 °C	149 °F	ASTM D1525

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