

SK Chemicals SKYTHANE® S155D Polyester Based Thermoplastic Polyurethane Elastomer

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

Material Notes:

Description: SK Chemicals has supplied Thermoplastic Polyurethane Elastomer (TPU) under the name of SKYTHANE. Applications include: Keyboard Covers, Outsoles of Soccer Shoes, Wire and Cable, Airbags, Sheets and Film, Hoses and Tubing, Shoe Components, Fire Hoses. Information provided by SK Chemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SK-Chemicals-SKYTHANE-S155D-Polyester-Based-Thermoplastic-Polyurethane-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ASTM D792
Linear Mold Shrinkage	0.0045 cm/cm	0.0045 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	ASTM D2240
Tensile Strength, Ultimate	57.9 MPa	8390 psi	ASTM D412
Elongation at Break	500 %	500 %	ASTM D412
100% Modulus	0.0234 GPa	3.40 ksi	ASTM D412
300% Modulus	0.0400 GPa	5.80 ksi	ASTM D412
Resilience	39	39	Vertical Rebound; ASTM D2632
Tear Strength	206 kN/m	1180 pli	Die C; ASTM D624
Taber Abrasion, mg/1000 Cycles	60	60	H18 wheel, 1000g load; ASTM D1044

Thermal Properties	Metric	English	Comments
Vicat Softening Point	155 Å°C	311 Å°F	ASTM D1525

Processing Properties	Metric	English	Comments
Processing Temperature	205 Å°C	401 Å°F	Transition Temperature
	205 Å°C	401 Å°F	Metering Temperature
Middle Barrel Temperature	200 Å°C	392 Å°F	
Nozzle Temperature	210 Å°C	410 Å°F	

Zone 1 Processing Properties	190 Â°C Metric	374 Â°F English	Comments
Zone 2	195 Â°C	383 Â°F	
Zone 3	200 Â°C	392 Â°F	
Zone 4	205 Â°C	401 Â°F	
Adapter Temperature	205 Â°C	401 Â°F	
Die Temperature	205 Â°C	401 Â°F	Tip
	210 Â°C	410 Â°F	Body
Mold Temperature	20.0 - 40.0 Â°C	68.0 - 104 Â°F	

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