

SK Chemicals SKYTHANE® T865A Polyester Based, Low Hardness 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-T865A-Polyester-Based-Low-Hardness-Thermoplastic-Polyurethane-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	ASTM D792
Linear Mold Shrinkage	0.0025 cm/cm	0.0025 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	72	72	ASTM D2240
Hardness, Shore D	24	24	ASTM D2240
Tensile Strength, Ultimate	24.5 MPa	3560 psi	ASTM D412
Elongation at Break	950 %	950 %	ASTM D412
100% Modulus	0.00255 GPa	0.370 ksi	ASTM D412
300% Modulus	0.00558 GPa	0.810 ksi	ASTM D412
Resilience	55	55	Vertical Rebound; ASTM D2632
Tear Strength	78.5 kN/m	448 pli	Die C; ASTM D624
Taber Abrasion, mg/1000 Cycles	23	23	H18 wheel, 1000g load; ASTM D1044

Thermal Properties	Metric	English	Comments
Vicat Softening Point	73.0 Å°C	163 Å°F	ASTM D1525

Processing Properties	Metric	English	Comments
Processing Temperature	175 Å°C	347 Å°F	Transition Temperature
	175 Å°C	347 Å°F	Metering Temperature
Middle Barrel Temperature	170 Å°C	338 Å°F	

Processing Properties	Metric	English	Comments
Mold Temperature	20.0 - 40.0 Å°C	68.0 - 104 Å°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