

SK Chemicals SKYTHANE[®] R180A C series Polyurethane

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

Material Notes:

SKYTHANE is a thermoplastic polyurethane elastomer (TPU). Like materials ranging from rubber to plastics, it has excellent physical properties such as anti-abrasion, oil-resistance and mechanical property. It is widely used for automotive parts and various industrial parts. Information provided by SK Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_SK-Chemicals-SKYTHANE-R180A-C-series-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ASTM D792
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	82	82	ASTM D2240
Hardness, Shore D	34	34	ASTM D2240
Tensile Strength, Ultimate	29.4 MPa	4270 psi	ASTM D412
Tensile Strength, Yield	9.81 MPa @Strain 100 %	1420 psi @Strain 100 %	ASTM D412
	9.81 MPa @Strain 300 %	1420 psi @Strain 300 %	ASTM D412
Elongation at Break	600 %	600 %	ASTM D412
Resilience	40	40	by vertical rebound; ASTM D2632
Tear Strength	88.3 kN/m	504 pli	Die C; ASTM D624
Taber Abrasion, mg/1000 Cycles	10	10	H18 Wheel; 1000g load; ASTM D1044

Thermal Properties	Metric	English	Comments
Vicat Softening Point	70.0 Å°C	158 Å°F	ASTM D1525

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.comEmail : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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