

SK Chemicals SKYTHANE[®] 198A S 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-198A-S-series-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	ASTM D792
Linear Mold Shrinkage	0.0045 cm/cm	0.0045 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	98	98	ASTM D2240
Hardness, Shore D	55	55	ASTM D2240
Tensile Strength, Ultimate	53.0 MPa	7680 psi	ASTM D412
Tensile Strength, Yield	18.6 MPa @Strain 100 %	2700 psi @Strain 100 %	ASTM D412
	34.3 MPa @Strain 300 %	4980 psi @Strain 300 %	ASTM D412
Elongation at Break	510 %	510 %	ASTM D412
Resilience	38	38	by vertical rebound; ASTM D2632
Tear Strength	177 kN/m	1010 pli	Die C; ASTM D624
Taber Abrasion, mg/1000 Cycles	50	50	H18 Wheel; 1000g load; ASTM D1044

Thermal Properties	Metric	English	Comments
Vicat Softening Point	143 Å°C	289 Å°F	ASTM D1525

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