

**SK Chemicals SKYTHANE<sup>®</sup> 850A T 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-850A-T-series-Polyurethane.php](http://www.lookpolymers.com/polymer_SK-Chemicals-SKYTHANE-850A-T-series-Polyurethane.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	ASTM D792
Linear Mold Shrinkage	0.0070 cm/cm	0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	56	56	ASTM D2240
Hardness, Shore D	12	12	ASTM D2240
Tensile Strength, Ultimate	11.8 MPa	1710 psi	ASTM D412
Tensile Strength, Yield	1.47 MPa @Strain 100 %	213 psi @Strain 100 %	ASTM D412
	3.92 MPa @Strain 300 %	569 psi @Strain 300 %	ASTM D412
Elongation at Break	770 %	770 %	ASTM D412
Resilience	60	60	by vertical rebound; ASTM D2632
Tear Strength	49.0 kN/m	280 pli	Die C; ASTM D624
Taber Abrasion, mg/1000 Cycles	20	20	H18 Wheel; 1000g load; ASTM D1044

Thermal Properties	Metric	English	Comments
Vicat Softening Point	62.0 Å°C	144 Å°F	ASTM D1525

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