

## SK Chemicals SKYTHANE<sup>®</sup> 865A 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-865A-T-series-Polyurethane.php](http://www.lookpolymers.com/polymer_SK-Chemicals-SKYTHANE-865A-T-series-Polyurethane.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
Tensile Strength, Yield	2.45 MPa @Strain 100 %	356 psi @Strain 100 %	ASTM D412
	5.39 MPa @Strain 300 %	782 psi @Strain 300 %	ASTM D412
Elongation at Break	950 %	950 %	ASTM D412
Resilience	55	55	by 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

### Contact Songhan Plastic Technology Co.,Ltd.

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