

**Austin Novel Materials Texalan® 685A Polyester and Polyether based TPU**

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyurethane, TP , Thermoplastic Polyurethane (TPUR), Polyester Grade , Thermoplastic Polyurethane (TPUR), Polyether Grade

**Material Notes:**

Description: A kind of custom-made products which use different raw materials to meet customers special requirements  
Information from Dawnentech

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Austin-Novels-Materials-Texalan-685A-Polyester-and-Polyether-based-TPU.php](http://www.lookpolymers.com/polymer_Austin-Novels-Materials-Texalan-685A-Polyester-and-Polyether-based-TPU.php)

Physical Properties	Metric	English	Comments
Density	1.18 - 1.22 g/cc	0.0426 - 0.0441 lb/in <sup>3</sup>	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	82 - 88	82 - 88	ISO 7619
Tensile Strength	>= 36.0 MPa	>= 5220 psi	ISO 37
Tensile Stress	>= 5.20 MPa @Strain 100 %	>= 754 psi @Strain 100 %	ISO 37
	>= 10.0 MPa @Strain 300 %	>= 1450 psi @Strain 300 %	ISO 37
Elongation at Yield	>= 570 %	>= 570 %	ISO 37
Tear Strength	>= 60.0 kN/m	>= 342 pli	ISO 34
K Factor (Wear Factor)	<= 55	<= 55	[mm<sup>3</sup>]; ISO 4649
Compression Set	<= 40 % @Temperature 70.0 °C	<= 40 % @Temperature 158 °F	ISO 815

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

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