

## Austin Novel Materials Texalan® 382A Polyester-based TPU

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

**Material Notes:**

Description: Good abrasion resistance, tensile strength, oil resistance which can be used in injection, extrusion purpose. Information from Dawnentech

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Austin-Novel-Materials-Texalan-382A-Polyester-based-TPU.php](http://www.lookpolymers.com/polymer_Austin-Novel-Materials-Texalan-382A-Polyester-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	79 - 85	79 - 85	ISO 7619
Tensile Strength	>= 32.0 MPa	>= 4640 psi	ISO 37
Tensile Stress	>= 3.40 MPa @Strain 100 %	>= 493 psi @Strain 100 %	ISO 37
	>= 7.50 MPa @Strain 300 %	>= 1090 psi @Strain 300 %	ISO 37
Elongation at Yield	>= 580 %	>= 580 %	ISO 37
Tear Strength	>= 75.0 kN/m	>= 428 pli	ISO 34
K Factor (Wear Factor)	<= 50	<= 50	[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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