

## Austin Novel Materials Texalan® 782A PCL TPU

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyurethane, TP

**Material Notes:**

Description: Good abrasion resistance, tensile strength, oil resistance and heat resistance which can be used in mechanic parts and various industry parts. Information from Dawnentech

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Austin-Novel-Materials-Texalan-782A-PCL-TPU.php](http://www.lookpolymers.com/polymer_Austin-Novel-Materials-Texalan-782A-PCL-TPU.php)

Physical Properties	Metric	English	Comments
Density	1.08 - 1.12 g/cc	0.0390 - 0.0405 lb/in <sup>3</sup>	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	79 - 85	79 - 85	ISO 7619
Tensile Strength	>= 30.0 MPa	>= 4350 psi	ISO 37
Tensile Stress	>= 4.00 MPa @Strain 100 %	>= 580 psi @Strain 100 %	ISO 37
	>= 8.00 MPa @Strain 300 %	>= 1160 psi @Strain 300 %	ISO 37
Elongation at Yield	>= 650 %	>= 650 %	ISO 37
Tear Strength	>= 65.0 kN/m	>= 371 pli	ISO 34
K Factor (Wear Factor)	<= 65	<= 65	[mm <sup>3</sup> ]; ISO 4649
Compression Set	<= 24 % @Temperature 70.0 °C	<= 24 % @Temperature 158 °F	ISO 815

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