

Austin Novel Materials Texalan® 590A Polyether-based TPU

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

Material Notes:

Description: Good low temperature resistance, hydro resistance, which can be used in cold and humid temperatures
Information from Dawnentech

Order this product through the following link:

http://www.lookpolymers.com/polymer_Austin-Novel-Materials-Texalan-590A-Polyether-based-TPU.php

Physical Properties	Metric	English	Comments
Density	1.13 - 1.17 g/cc	0.0408 - 0.0423 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	87 - 93	87 - 93	ISO 7619
Tensile Strength	>= 40.0 MPa	>= 5800 psi	ISO 37
Tensile Stress	>= 9.00 MPa @Strain 100 %	>= 1310 psi @Strain 100 %	ISO 37
	>= 17.0 MPa @Strain 300 %	>= 2470 psi @Strain 300 %	ISO 37
Elongation at Yield	>= 500 %	>= 500 %	ISO 37
Tear Strength	>= 105 kN/m	>= 599 pli	ISO 34
K Factor (Wear Factor)	<= 70	<= 70	[mm ³]; ISO 4649
Compression Set	<= 40 % @Temperature 70.0 °C	<= 40 % @Temperature 158 °F	ISO 815

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