

Austin Novel Materials Texalan® 598A 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-598A-Polyether-based-TPU.php

Physical Properties	Metric	English	Comments
Density	1.14 - 1.18 g/cc	0.0412 - 0.0426 lb/in³	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	95 - 101	95 - 101	ISO 7619
Tensile Strength	>= 48.0 MPa	>= 6960 psi	ISO 37
Tensile Stress	>= 15.0 MPa @Strain 100 %	>= 2180 psi @Strain 100 %	ISO 37
	>= 32.0 MPa @Strain 300 %	>= 4640 psi @Strain 300 %	ISO 37
Elongation at Yield	>= 400 %	>= 400 %	ISO 37
Tear Strength	>= 140 kN/m	>= 799 pli	ISO 34
K Factor (Wear Factor)	<= 60	<= 60	[mm³]; ISO 4649
Compression Set	<= 42 % @Temperature 70.0 °C	<= 42 % @Temperature 158 °F	ISO 815

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