

Austin Novel Materials Texalan® 390A 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-390A-Polyester-based-TPU.php

Physical Properties	Metric	English	Comments
Density	1.19 - 1.23 g/cc	0.0430 - 0.0444 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	>= 7.00 MPa @Strain 100 %	>= 1020 psi @Strain 100 %	ISO 37
	>= 11.5 MPa @Strain 300 %	>= 1670 psi @Strain 300 %	ISO 37
Elongation at Yield	>= 480 %	>= 480 %	ISO 37
Tear Strength	>= 95.0 kN/m	>= 542 pli	ISO 34
K Factor (Wear Factor)	<= 50	<= 50	[mm³]; ISO 4649
Compression Set	<= 45 % @Temperature 70.0 °C	<= 45 % @Temperature 158 °F	ISO 815

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