

Austin Novel Materials Texalan® 398A 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-398A-Polyester-based-TPU.php

Physical Properties	Metric	English	Comments
Density	1.20 - 1.24 g/cc	0.0434 - 0.0448 lb/in³	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	95 - 101	95 - 101	ISO 7619
Tensile Strength	>= 44.0 MPa	>= 6380 psi	ISO 37
Tensile Stress	>= 9.00 MPa @Strain 100 %	>= 1310 psi @Strain 100 %	ISO 37
	>= 20.0 MPa @Strain 300 %	>= 2900 psi @Strain 300 %	ISO 37
Elongation at Yield	>= 420 %	>= 420 %	ISO 37
Tear Strength	>= 120 kN/m	>= 685 pli	ISO 34
K Factor (Wear Factor)	<= 60	<= 60	[mm³]; ISO 4649
Compression Set	<= 55 % @Temperature 70.0 °C	<= 55 % @Temperature 158 °F	ISO 815

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