

Austin Novel Materials Texalan® 282A 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 and transparency which can meet different demands in various industry
Information from Dawnentech

Order this product through the following link:

http://www.lookpolymers.com/polymer_Austin-Novel-Materials-Texalan-282A-Polyester-based-TPU.php

Physical Properties	Metric	English	Comments
Density	1.18 - 1.22 g/cc	0.0426 - 0.0441 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	79 - 85	79 - 85	ISO 7619
Tensile Strength	>= 35.0 MPa	>= 5080 psi	ISO 37
Tensile Stress	>= 4.00 MPa @Strain 100 %	>= 580 psi @Strain 100 %	ISO 37
	>= 9.00 MPa @Strain 300 %	>= 1310 psi @Strain 300 %	ISO 37
Elongation at Yield	>= 600 %	>= 600 %	ISO 37
Tear Strength	>= 80.0 kN/m	>= 456 pli	ISO 34
K Factor (Wear Factor)	<= 55	<= 55	[mm ³]; ISO 4649
Compression Set	<= 40 % @Temperature 70.0 °C	<= 40 % @Temperature 158 °F	ISO 815

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