

Austin Novel Materials Texalan® 272D 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-272D-Polyester-based-TPU.php

Physical Properties	Metric	English	Comments
Density	1.20 - 1.24 g/cc	0.0434 - 0.0448 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	69 - 75	69 - 75	ISO 7619
Tensile Strength	>= 55.0 MPa	>= 7980 psi	ISO 37
Tensile Stress	>= 25.0 MPa @Strain 100 %	>= 3630 psi @Strain 100 %	ISO 37
	>= 38.0 MPa @Strain 300 %	>= 5510 psi @Strain 300 %	ISO 37
Elongation at Yield	>= 320 %	>= 320 %	ISO 37
Tear Strength	>= 200 kN/m	>= 1140 pli	ISO 34
K Factor (Wear Factor)	<= 45	<= 45	[mm ³]; ISO 4649
Compression Set	<= 60 % @Temperature 70.0 °C	<= 60 % @Temperature 158 °F	ISO 815

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