

BASF Elastollan 880 AN TPUR

Category : Polymer , Thermoplastic , Polyurethane, TP , Thermoplastic Polyurethane (TPUR), Polyester Grade

Material Notes:

Description: Thermoplastic Polyurethane Elastomers with excellent mechanical properties, outstanding wear resistance, high tear and tensile strength, good damping characteristics and a high resilience performance. Typical Applications: Polyester based for transparent films. Note: Quoted results are from measurements on injection molded test platens, post tempered for 20 hours at 100°C Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Elastollan-880-AN-TPUR.php

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in ³	ISO 1183-1-A

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	78	78	ISO 868
Tensile Strength	2.80 MPa	406 psi	20; ISO 37
	5.50 MPa	798 psi	100; ISO 37
	9.50 MPa	1380 psi	300; ISO 37
	40.0 MPa	5800 psi	ISO 37
Elongation at Break	650 %	650 %	ISO 37
Charpy Impact, Notched	NB	NB	DIN ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	NB	NB	DIN ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Tear Strength	60.0 kN/m	342 pli	DIN ISO 34-1/Bb
Abrasion	45	45	[mm³; ISO 4649
Compression Set	23 %	23 %	DIN EN ISO 815
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	58 %	58 %	DIN EN ISO 815
	@Temperature 70.0 °C	@Temperature 158 °F	

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Optical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Processing Temperature	175 - 220 °C	347 - 428 °F	Extrusion
Mold Temperature	20.0 - 70.0 °C	68.0 - 158 °F	

Descriptive Properties	Value	Comments
Commercial Status	North America	
Primary Processing Technique	Extrusion	

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