

BASF Elastollan SP 806 TPUR

Category : Polymer , Thermoplastic , Polyurethane, TP , Thermoplastic Polyurethane (TPUR), Polyether 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: Polyether based for opaque 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-SP-806-TPUR.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in ³	ISO 1183-1-A

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	87	87	ISO 868
Tensile Strength	2.50 MPa	363 psi	20; ISO 37
	6.00 MPa	870 psi	100; ISO 37
	11.5 MPa	1670 psi	300; ISO 37
	45.0 MPa	6530 psi	ISO 37
Elongation at Break	550 %	550 %	ISO 37
Charpy Impact, Notched	NB	NB	DIN ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Tear Strength	NB	NB	DIN ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Abrasion	30	30	[mm³; ISO 4649
Compression Set	26 %	26 %	DIN EN ISO 815
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Compression Set	43 %	43 %	DIN EN ISO 815
	@Temperature 70.0 °C	@Temperature 158 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	175 - 220 °C	347 - 428 °F	Extrusion

Processing Properties	Metric	English	Comments
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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