

BASF Elastollan SP 9213 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 easy flow. 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-9213-TPUR.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	ISO 1183-1-A

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	ISO 868
Tensile Strength	2.50 MPa	363 psi	20; ISO 37
	5.50 MPa	798 psi	100; ISO 37
	9.00 MPa	1310 psi	300; ISO 37
	26.0 MPa	3770 psi	ISO 37
Elongation at Break	700 %	700 %	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	70	70	[mm ³]; ISO 4649
Compression Set	22 %	22 %	DIN EN ISO 815
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Compression Set	45 %	45 %	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	175 - 240 °C Metric	347 - 464 °F English	Injection molding Comments
Mold Temperature	20.0 - 70.0 °C	68.0 - 158 °F	

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

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