

BASF Elastollan 590 A TPUR

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

Material Notes:

Description: Thermoplastic Polyester Polyurethane Elastomers with excellent mechanical properties and a high abrasion resistance. Typical

Applications: Heel top-pieces, castor tyres and parts requiring a high durability. 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-590-A-TPUR.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ISO 1183-1-A

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	94	94	ISO 868
Hardness, Shore D	41	41	ISO 686
Tensile Strength	50.0 MPa	7250 psi	ISO 37
Elongation at Break	600 %	600 %	ISO 37
Tear Strength	100 kN/m	571 pli	DIN ISO 34-1/Bb
Abrasion	35	35	[mm³; ISO 4649

Processing Properties	Metric	English	Comments
Processing Temperature	175 - 230 °C	347 - 446 °F	
Mold Temperature	20.0 - 70.0 °C	68.0 - 158 °F	

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

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