

## BASF Elastollan B 60 A WHA TPUR

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

### Material Notes:

Description: Thermoplastic Polyester Polyurethane Elastomers with excellent mechanical properties, outstanding wear resistance, high tensile strength, good damping and resilience performance and superior low temperature flexibility. Typical Applications: Sport-shoe soles and accessories, ski-boot shells, technical moldings, e.g. seals, castor tyres and tubing. 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-B-60-A-WHA-TPUR.php](http://www.lookpolymers.com/polymer_BASF-Elastollan-B-60-A-WHA-TPUR.php)

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in <sup>3</sup>	ISO 1183-1-A

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	ISO 868
Tensile Strength	20.0 MPa	2900 psi	after storage in water at 80°C for 42 days; ISO 37
	35.0 MPa	5080 psi	ISO 37
	1.00 MPa	145 psi	ISO 37
	@Strain 20.0 %	@Strain 20.0 %	
	2.50 MPa	363 psi	ISO 37
	@Strain 100 %	@Strain 100 %	
Elongation at Break	6.50 MPa	943 psi	ISO 37
	@Strain 300 %	@Strain 300 %	
	900 %	900 %	ISO 37
	1000 %	1000 %	after storage in water at 80°C for 42 days; ISO 37
Charpy Impact, Notched	NB	NB	DIN EN ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	NB	NB	DIN EN ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Tear Strength	50.0 kN/m	285 pli	DIN ISO 34-1/Bb
Abrasion	40	40	[mm<sup>3</sup>; ISO 4649
	20 %	20 %	

<b>Compression Set</b> Mechanical Properties	<b>Metric</b> @ Temperature 23.0 °C	<b>English</b> @ Temperature 73.4 °F	<b>ISO 815</b> Comments
	30 %	30 %	ISO 815
	@Temperature 70.0 °C	@Temperature 158 °F	

<b>Processing Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
Processing Temperature	175 - 230 °C	347 - 446 °F	Injection molding
Mold Temperature	20.0 - 70.0 °C	68.0 - 158 °F	

<b>Descriptive Properties</b>	<b>Value</b>	<b>Comments</b>
Commercial Status	North America	
Primary Processing Technique	Injection molding	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China