

## BASF Elastollan S 98 A TPUR

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

### Material Notes:

Description: Thermoplastic Polyester Polyurethane Elastomers with excellent mechanical properties and wear resistance, good damping characteristics and a high resilience performance. Typical Applications: Shoe-soles, top pieces, tubes, technical parts e.g. castor tyres. 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-S-98-A-TPUR.php](http://www.lookpolymers.com/polymer_BASF-Elastollan-S-98-A-TPUR.php)

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

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	55	55	ISO 686
Tensile Strength	45.0 MPa	6530 psi	ISO 37
	13.0 MPa	1890 psi	ISO 37
	@Strain 20.0 %	@Strain 20.0 %	
	16.0 MPa	2320 psi	ISO 37
	@Strain 100 %	@Strain 100 %	
	23.0 MPa	3340 psi	ISO 37
	@Strain 300 %	@Strain 300 %	
Elongation at Break	500 %	500 %	ISO 37
Charpy Impact, Notched	1.30 J/cm <sup>2</sup>	6.19 ft-lb/in <sup>2</sup>	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	150 kN/m	856 pli	DIN ISO 34-1/Bb
Abrasion	25	25	[mm<sup>3</sup>; ISO 4649
Compression Set	30 %	30 %	ISO 815
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	45 %	45 %	ISO 815
	@Temperature 70.0 °C	@Temperature 158 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	175 - 220 °C	347 - 428 °F	Extrusion
	175 - 240 °C	347 - 464 °F	Injection molding
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	

## 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