

## BASF Elastollan C 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 chemical resistance, outstanding wear resistance, high tear and tensile strength, good damping characteristics and a high resilience performance. Typical Applications: Spiral tubing, pneumatic tubing, round and v-beltting, technical moldings, e.g. bushes, dust caps, seals, blow molding bellows, and mining screens. 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-C-98-A-TPUR.php](http://www.lookpolymers.com/polymer_BASF-Elastollan-C-98-A-TPUR.php)

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in <sup>3</sup>	ISO 1183-1-A

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	52	52	ISO 686
Tensile Strength	40.0 MPa	5800 psi	after storage in water at 80°C for 42 days; ISO 37
	50.0 MPa	7250 psi	ISO 37
	11.0 MPa	1600 psi	ISO 37
	@Strain 20.0 %	@Strain 20.0 %	
	14.0 MPa	2030 psi	ISO 37
	@Strain 100 %	@Strain 100 %	
	26.0 MPa	3770 psi	ISO 37
	@Strain 300 %	@Strain 300 %	
Elongation at Break	550 %	550 %	ISO 37
	550 %	550 %	after storage in water at 80°C for 42 days; ISO 37
Charpy Impact, Notched	2.50 J/cm <sup>2</sup>	11.9 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	130 kN/m	742 pli	DIN ISO 34-1/Bb
Abrasion	30	30	[mm<sup>3</sup>; ISO 4649

Mechanical Properties	Metric	English	Comments
Compression Set	@Temperature 23.0 °C	@Temperature 73.4 °F	ISO 815
	50 %	50 %	ISO 815
	@Temperature 70.0 °C	@Temperature 158 °F	

Thermal Properties	Metric	English	Comments
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Processing Temperature	160 - 220 °C	320 - 428 °F	Extrusion
Mold Temperature	20.0 - 70.0 °C	68.0 - 158 °F	

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

## Contact Songhan Plastic Technology Co.,Ltd.

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