

## BASF Elastollan SP 883 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 for opaque films. 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-883-TPUR.php](http://www.lookpolymers.com/polymer_BASF-Elastollan-SP-883-TPUR.php)

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in <sup>3</sup>	ISO 1183-1-A

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85	85	ISO 868
Tensile Strength	2.00 MPa	290 psi	20; ISO 37
	5.00 MPa	725 psi	100; ISO 37
	10.5 MPa	1520 psi	300; ISO 37
	40.0 MPa	5800 psi	ISO 37
Elongation at Break	550 %	550 %	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	40	40	[mm<sup>3</sup>; ISO 4649
Compression Set	22 %	22 %	DIN EN ISO 815
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Compression Set	37 %	37 %	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	Metric	English	Comments
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.

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