

## BASF Elastollan 1154 D KFFC 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 flexible flat cables. 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-1154-D-KFFC-TPUR.php](http://www.lookpolymers.com/polymer_BASF-Elastollan-1154-D-KFFC-TPUR.php)

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in <sup>3</sup>	ISO 1183-1-A

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	ISO 686
Tensile Strength	16.5 MPa	2390 psi	20; ISO 37
	22.0 MPa	3190 psi	100; ISO 37
	31.5 MPa	4570 psi	300; ISO 37
	40.0 MPa	5800 psi	ISO 37
Elongation at Break	400 %	400 %	ISO 37
Charpy Impact, Notched	0.500 J/cm <sup>2</sup> @Temperature -30.0 °C	2.38 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	DIN ISO 179
	9.00 J/cm <sup>2</sup> @Temperature 23.0 °C	42.8 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	DIN ISO 179
Tear Strength	150 kN/m	856 pli	DIN ISO 34-1/Bb
Abrasion	30	30	[mm<sup>3</sup>; ISO 4649
Compression Set	30 % @Temperature 23.0 °C	30 % @Temperature 73.4 °F	DIN EN ISO 815
	45 % @Temperature 70.0 °C	45 % @Temperature 158 °F	DIN EN ISO 815

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.

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