

BASF Elastollan 1085 A 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: Alternative Polyether basis. 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-1085-A-TPUR.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|--------------|
| Density | 1.15 g/cc | 0.0415 lb/in ³ | ISO 1183-1-A |

| Mechanical Properties | Metric | English | Comments |
|------------------------|-----------------------|-----------------------|------------------------------|
| Hardness, Shore A | 89 | 89 | ISO 868 |
| Tensile Strength | 4.80 MPa | 696 psi | 20; ISO 37 |
| | 7.60 MPa | 1100 psi | 100; ISO 37 |
| | 16.5 MPa | 2390 psi | 300; ISO 37 |
| | 35.0 MPa | 5080 psi | ISO 37 |
| Elongation at Break | 700 % | 700 % | 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 | 70 | 70 | [mm ³]; ISO 4649 |
| Compression Set | 22 % | 22 % | DIN EN ISO 815 |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| Compression Set | 34 % | 34 % | DIN EN ISO 815 |
| | @Temperature 70.0 °C | @Temperature 158 °F | |

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

| Mold Temperature Processing Properties | 20.0 - 70.0 °C Metric | 68.0 - 158 °F English | Comments |
|---|--------------------------|--------------------------|----------|
| Descriptive Properties | Value | | Comments |
| Commercial Status | North America | | |
| Primary Processing Technique | Injection molding | | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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