

Multibase Multi-Flex® TPO DEFA 1047

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Olefinic Elastomer (TPO)

Material Notes:

The burn rate is 0.53 in/min; ASTM FM VSS 302.Data provided by Multibase.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Flex-TPO-DEFA-1047.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--------------|---------------------------|-------------------------------|
| Density | 0.890 g/cc | 0.0322 lb/in ³ | ASTM D792-91 |
| Linear Mold Shrinkage | 0.0090 cm/cm | 0.0090 in/in | ASTM D955-89 |
| Melt Flow | 2.8 g/10 min | 2.8 g/10 min | (Condition L) ASTM D-1238-94a |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|---------------------|-----------------|--------------------------|
| Hardness, Shore D | 50 | 50 | 10 sec; ASTM D-2240-95 |
| Tensile Strength, Ultimate | 11.7 - 15.1 MPa | 1700 - 2190 psi | ASTM D638-95 |
| Elongation at Break | 500 - 800 % | 500 - 800 % | ASTM D638-95 |
| Elongation at Yield | >= 19 % | >= 19 % | ASTM D638-95 |
| Flexural Modulus | 0.0344 - 0.0482 GPa | 4.99 - 6.99 ksi | Secant 1%; ASTM D-790-95 |
| Izod Impact, Notched | NB | NB | ASTM D-256-93a |
| Tear Strength Test | 93 - 106 | 93 - 106 | ASTM D624-95 |

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