

Multibase Multi-Flex[®] D 5308 Platinum TPO Thermoplastic Polyolefin Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyolefin

Material Notes:

Forms: Pellets
Information provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Flex-D-5308-Platinum-TPO-Thermoplastic-Polyolefin-Elastomer.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--|--|------------|
| Specific Gravity | 0.922 g/cc | 0.922 g/cc | ASTM 792 |
| Linear Mold Shrinkage | 0.0090 cm/cm | 0.0090 in/in | ASTM D955 |
| Melt Flow | 5.8 g/10 min @Load 2.16 kg, Temperature 230 °C | 5.8 g/10 min @Load 4.76 lb, Temperature 446 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|-----------|----------|---|
| Hardness, Shore D | 51 | 51 | 10 seconds; ASTM D2240 |
| Tensile Strength at Break | 22.0 MPa | 3190 psi | Elastic; ASTM D412 |
| Elongation at Break | 710 % | 710 % | Elastic; ASTM D412 |
| Flexural Modulus | 0.482 GPa | 69.9 ksi | Method I (3 point load), Procedure B); ASTM D790 |
| Tear Strength | 121 kN/m | 690 pli | ASTM D624 |

| Thermal Properties | Metric | English | Comments |
|--------------------|---|--|-----------|
| CTE, linear | 99.0 µm/m-°C @Temperature 20.0 °C | 55.0 µin/in-°F @Temperature 68.0 °F | ASTM D696 |

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