

Lucent Polymers TPO-10T Thermoplastic Polyolefin, 10% Mineral Filled

Category : Polymer , Thermoplastic , Polyolefin

Material Notes:

Melt Flow Adjustable for ApplicationAdd "U" for UV StabilizedAdd "H" for Heat StabilizedInformation provided by Lucent Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lucent-Polymers-TPO-10T-Thermoplastic-Polyolefin-10-Mineral-Filled.php

| Physical Properties | Metric | English | Comments |
|-----------------------------|-----------------------------------|------------------------------------|--------------|
| Specific Gravity | 0.980 g/cc | 0.980 g/cc | ASTM D792 |
| Linear Mold Shrinkage, Flow | 0.013 cm/cm @Thickness 3.17 mm | 0.013 in/in @Thickness 0.125 in | 1/8" Section |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|---------------------------------|--------------------------------------|-----------|
| Tensile Strength, Yield | 21.0 MPa | 3050 psi | ASTM D638 |
| Elongation at Break | >= 100 % | >= 100 % | ASTM D638 |
| Flexural Strength | 29.0 MPa | 4210 psi | ASTM D790 |
| Flexural Modulus | 0.772 GPa | 112 ksi | ASTM D790 |
| Izod Impact, Notched | 9.99 J/cm @Thickness 3.17 mm | 18.7 ft-lb/in @Thickness 0.125 in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|-----------|
| Deflection Temperature at 1.8 MPa (264 psi) | 41.0 °C | 106 °F | ASTM D648 |

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