

Ashley Polymers Ashlene® 149WO PBT Polyester, 45% Glass Reinforced

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Glass + Mineral Filled

Material Notes:

A flame retardant PBT polyester with 45% glass reinforcement, mineral filled.Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-149WO-PBT-Polyester-45-Glass-Reinforced.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--------------|---------------------------|-----------|
| Density | 1.80 g/cc | 0.0650 lb/in ³ | ASTM D792 |
| Water Absorption | 0.075 % | 0.075 % | ASTM D570 |
| Linear Mold Shrinkage | 0.0040 cm/cm | 0.0040 in/in | ASTM D955 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|------------|----------------|-----------|
| Tensile Strength, Yield | 76.0 MPa | 11000 psi | ASTM D638 |
| Elongation at Break | 3.0 % | 3.0 % | ASTM D638 |
| Flexural Modulus | 11.0 GPa | 1600 ksi | ASTM D790 |
| Izod Impact, Notched | 0.290 J/cm | 0.543 ft-lb/in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|--------|---------|------------|
| Melting Point | 221 °C | 430 °F | ASTM D3418 |
| Deflection Temperature at 1.8 MPa (264 psi) | 207 °C | 405 °F | ASTM D648 |

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