

Ashley Polymers Ashlene® ABS Resin F-221

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Impact Grade, Molded

Material Notes:

High gloss, high impact, extrusion grade. Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-ABS-Resin-F-221.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--------------|---------------------------|-----------|
| Density | 1.04 g/cc | 0.0376 lb/in ³ | ASTM D792 |
| Water Absorption | 0.30 % | 0.30 % | ASTM D570 |
| Linear Mold Shrinkage | 0.0050 cm/cm | 0.0050 in/in | ASTM D955 |
| Melt Flow | 14 g/10 min | 14 g/10 min | |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|-----------|---------------|-----------|
| Hardness, Rockwell R | 104 | 104 | ASTM D785 |
| Tensile Strength, Ultimate | 44.0 MPa | 6380 psi | ATSM D638 |
| Flexural Strength | 66.0 MPa | 9570 psi | ASTM D790 |
| Flexural Modulus | 2.30 GPa | 334 ksi | ASTM D790 |
| Izod Impact, Notched | 3.30 J/cm | 6.18 ft-lb/in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 92.0 °C | 198 °F | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 88.0 °C | 190 °F | ASTM D648 |

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