

Ashley Polymers Ashlene® PC/ABS Alloy

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

Flame retardant alloy.Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-PCABS-Alloy.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--|--|-----------|
| Density | 1.13 g/cc | 0.0408 lb/in ³ | ASTM D792 |
| Linear Mold Shrinkage | 0.0070 cm/cm | 0.0070 in/in | ASTM D955 |
| High Load Melt Index | 7.8 g/10 min @Load 21.6 kg, Temperature 200 °C | 7.8 g/10 min @Load 47.6 lb, Temperature 392 °F | |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|-----------|---------------|-----------|
| Hardness, Rockwell R | 116 | 116 | ASTM D785 |
| Tensile Strength, Ultimate | 55.0 MPa | 7980 psi | ATSM D638 |
| Elongation at Break | 52 % | 52 % | ASTM D638 |
| Flexural Strength | 79.0 MPa | 11500 psi | ASTM D790 |
| Flexural Modulus | 2.30 GPa | 334 ksi | ASTM D790 |
| Izod Impact, Notched | 4.33 J/cm | 8.11 ft-lb/in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|---------------------------|----------------------------|-----------|
| Deflection Temperature at 1.8 MPa (264 psi) | 65.0 °C | 149 °F | ASTM D648 |
| Flammability, UL94 | V-0 @Thickness 3.20 mm | V-0 @Thickness 0.126 in | |

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