

Diamond Polymers ABS 7535 Injection Molding Grade, Very High Impact

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

Material Notes:

Information Provided by Diamond Polymers, Inc. & Network Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Diamond-Polymers-ABS-7535-Injection-Molding-Grade-Very-High-Impact.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--|--|------------|
| Specific Gravity | 1.05 g/cc | 1.05 g/cc | ASTM D792 |
| Linear Mold Shrinkage | 0.0040 - 0.0070 cm/cm | 0.0040 - 0.0070 in/in | ASTM D955 |
| Melt Flow | 6.5 g/10 min @Load 3.80 kg, Temperature 230 °C | 6.5 g/10 min @Load 8.38 lb, Temperature 446 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|---|--|-------------------------------------|
| Hardness, Rockwell R | 102 | 102 | ASTM D785 |
| Tensile Strength, Yield | 38.0 MPa | 5510 psi | chs 2 in/min; ASTM D638 |
| Flexural Modulus | 2.208 GPa | 320.2 ksi | tangent; chs 0.05 in/min; ASTM D790 |
| Izod Impact, Notched | 4.00 J/cm @Thickness 3.17 mm, Temperature 23.0 °C | 7.49 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|-----------------------|---|--|------------|
| Vicat Softening Point | 108 °C @Load 1.00 kg, Thickness 3.17 mm | 226 °F @Load 2.20 lb, Thickness 0.125 in | ASTM D1525 |
| Flammability, UL94 | HB @Thickness 1.59 mm | HB @Thickness 0.0625 in | |

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