

Multibase Multi-ABS 3075 High Impact

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

Material Notes:

Data provided by Multibase.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-ABS-3075-High-Impact.php

| Physical Properties | Metric | English | Comments |
|---------------------|--------------|---------------------------|-------------------------------|
| Density | 1.04 g/cc | 0.0376 lb/in ³ | ASTM D792-91 |
| Melt Flow | 5.0 g/10 min | 5.0 g/10 min | (Condition L) ASTM D-1238-94a |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|-----------|---------------|-------------------|
| Hardness, Rockwell R | 105 | 105 | ASTM D785-95 |
| Tensile Strength, Ultimate | 37.2 MPa | 5400 psi | ASTM D638-95 |
| Elongation at Break | 25 % | 25 % | ASTM D638-95 |
| Flexural Strength | 53.8 MPa | 7800 psi | ASTM D790-95 |
| Flexural Modulus | 2.00 GPa | 290 ksi | RT; ASTM D-790-95 |
| Izod Impact, Notched | 4.00 J/cm | 7.49 ft-lb/in | ASTM D256-93a |
| Gardner Impact | 10.6 J | 7.82 ft-lb | ASTM D5420-93 |

| Thermal Properties | Metric | English | Comments |
|---|--------------------|----------------------|--|
| Deflection Temperature at 1.8 MPa (264 psi) | 212 °C | 414 °F | injection molded annealed; ASTM D-648-95 |
| Vicat Softening Point | 107 °C | 225 °F | ASTM D1525-95 |
| Flammability, UL94 | HB | HB | |
| | @Thickness 1.59 mm | @Thickness 0.0625 in | |
| | HB | HB | |
| | @Thickness 3.17 mm | @Thickness 0.125 in | |

| Electrical Properties | Metric | English | Comments |
|-----------------------|------------|-----------|--------------|
| Dielectric Strength | 35.4 kV/mm | 899 kV/in | ASTM D149-95 |

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