

HIPOL™ J440

Polypropylene Impact Copolymer

Mitsui Chemicals, Inc.

Message:

HIPOL™ J440 is a Polypropylene Impact Copolymer (PP Impact Copolymer) material. It is available in Asia Pacific for injection molding.

Important attributes of HIPOL™ J440 are:

Flame Rated

Copolymer

Good Processability

Impact Resistant

Typical applications include:

Containers

Engineering/Industrial Parts

| General Information | | | |
|---|------------------------|-------------------|-------------|
| Features | Block Copolymer | | |
| | Good Impact Resistance | | |
| | Good Moldability | | |
| Uses | Containers | | |
| | Industrial Parts | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.910 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 5.0 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | | | ASTM D638 |
| Yield | 26.5 | MPa | |
| Break | 19.6 | MPa | |
| Tensile Elongation (Break) | 500 | % | ASTM D638 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | | | ASTM D256 |
| -20°C | 49 | J/m | |
| 0°C | 69 | J/m | |
| 23°C | 140 | J/m | |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | ASTM D648 |
| 0.45 MPa, Unannealed | 100 | °C | |
| 1.8 MPa, Unannealed | 55.0 | °C | |
| Vicat Softening Temperature | 150 | °C | ASTM D1525 |

| Flammability | Nominal Value | Test Method |
|-----------------------------|---------------|-------------|
| Flame Rating (1.57 mm, ALL) | HB | UL 94 |

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