

Abstron IPM3000

Acrylonitrile Butadiene Styrene + Acrylic (PMMA)

Bhansali Engineering Polymers Limited

Message:

Abstron IPM3000 is an Acrylonitrile Butadiene Styrene + Acrylic (PMMA) (ABS+Acrylic) product. It is available in Asia Pacific.

Characteristics include:

Flame Rated

High Gloss

Scratch Resistant

| General Information | | | |
|---|--------------------|-------------------|-------------|
| Features | High Gloss | | |
| | Scratch Resistant | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.08 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (220°C/10.0 kg) | 23 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 0.30 to 0.50 | % | ASTM D955 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale, Injection Molded) | 110 | | ASTM D785 |
| Pencil Hardness ¹ | H | | ASTM D3363 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ² (Yield, 3.20 mm, Injection Molded) | 49.0 | MPa | ASTM D638 |
| Flexural Modulus ³ (6.40 mm, Injection Molded) | 2450 | MPa | ASTM D790 |
| Flexural Strength ⁴ (6.40 mm, Injection Molded) | 68.6 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | | | ASTM D256 |
| 23°C, 3.20 mm, Injection Molded | 150 | J/m | |
| 23°C, 6.40 mm, Injection Molded | 120 | J/m | |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load ⁵ (1.8 MPa, Annealed, 6.40 mm, Injection Molded) | 92.0 | °C | ASTM D648 |
| Flammability | Nominal Value | | Test Method |
| Flame Rating (3.20 mm) | HB | | UL 94 |
| NOTE | | | |
| 1. | 45°, 7.5 N | | |
| 2. | Type I, 5.0 mm/min | | |
| 3. | 5.0 mm/min | | |

| | |
|----|---------------------------|
| 4. | 5.0 mm/min |
| 5. | Annealed at 85°C for 2 hr |

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