

Abstron IM21G

Acrylonitrile Butadiene Styrene
Bhansali Engineering Polymers Limited

Message:

Abstron IM21G is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Asia Pacific.
Characteristics include:
Flame Rated
High Gloss
Impact Resistant

| General Information | | | |
|---|--------------------------|-------------------|-------------|
| Features | High Gloss | | |
| | Medium Impact Resistance | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.04 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (220°C/10.0 kg) | 30 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 0.40 to 0.60 | % | ASTM D955 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale, Injection Molded) | 108 | | ASTM D785 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (Yield, 3.20 mm, Injection Molded) | 45.1 | MPa | ASTM D638 |
| Flexural Modulus ² (6.40 mm, Injection Molded) | 2160 | MPa | ASTM D790 |
| Flexural Strength ³ (6.40 mm, Injection Molded) | 63.7 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | | | ASTM D256 |
| 23°C, 3.20 mm, Injection Molded | 230 | J/m | |
| 23°C, 6.40 mm, Injection Molded | 180 | J/m | |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load ⁴ (1.8 MPa, Annealed, 6.40 mm, Injection Molded) | 94.0 | °C | ASTM D648 |
| Flammability | Nominal Value | | Test Method |
| Flame Rating (3.20 mm) | HB | | UL 94 |
| NOTE | | | |
| 1. | Type I, 5.0 mm/min | | |
| 2. | 5.0 mm/min | | |
| 3. | 5.0 mm/min | | |

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