

RAMSHINE PV302G2

Acrylonitrile Butadiene Styrene

Polyram Ram-On Industries

Message:

10% GLASS FIBER REINFORCED ABS FOR INJECTION MOULDING APPLICATIONS.

| General Information | | | |
|---|----------------------------------|-------------------|-------------|
| Filler / Reinforcement | Glass Fiber,10% Filler by Weight | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.10 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (220°C/10.0 kg) | 10 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 0.30 | % | ASTM D955 |
| Water Absorption (Saturation) | 0.14 | % | ASTM D570 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 3300 | MPa | ASTM D638 |
| Tensile Strength (Yield) | 65.0 | MPa | ASTM D638 |
| Tensile Elongation (Yield) | 3.0 | % | ASTM D638 |
| Flexural Modulus | 3000 | MPa | ASTM D790 |
| Flexural Strength | 80.0 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 85 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 100 | °C | ASTM D648 |
| Electrical | Nominal Value | Unit | Test Method |
| Surface Resistivity | 1.0E+14 | ohms | IEC 60093 |
| Volume Resistivity | 1.0E+16 | ohms · cm | IEC 60093 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating (3.00 mm) | HB | | UL 94 |

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