

MARCOBLEND MB101

Acrylonitrile Butadiene Styrene
POLY GIN

Message:

MARCOBLEND MB101 is glass fiber 15% reinforced ABS resin. The resin is The unique characters include superior processability, good stiffness, and excellent dimension stability and suitable for use in TV back cover and internal structure parts.

| General Information | | | |
|---|----------------------------------|-------------|-------------|
| Filler / Reinforcement | Glass Fiber,15% Filler by Weight | | |
| Additive | Flame Retardant | | |
| Features | Flame Retardant | | |
| | Good Dimensional Stability | | |
| | Good Processability | | |
| | Good Stiffness | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Melt Mass-Flow Rate (MFR) (240°C/5.0 kg) | 28 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 0.20 to 0.40 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 54.0 | MPa | ASTM D638 |
| Flexural Modulus | 2820 | MPa | ASTM D790 |
| Flexural Strength | 81.0 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 76 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 88.0 | °C | ASTM D648 |
| Flammability | Nominal Value | Test Method | |
| Flame Rating | HB | UL 94 | |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 90.0 | °C | |
| Drying Time | 3.0 to 4.0 | hr | |
| Rear Temperature | 230 to 245 | °C | |
| Middle Temperature | 240 to 255 | °C | |
| Front Temperature | 245 to 255 | °C | |
| Nozzle Temperature | 240 to 250 | °C | |
| Mold Temperature | 60.0 to 80.0 | °C | |

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