

# MARCOBLEND AU 101

Acrylonitrile Butadiene Styrene  
POLY GIN

Message:

MARCOBLEND AU 101 BK is glass fiber 10% 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,10% Filler by Weight |                   |             |
| Additive  | Flame Retardant                  |                   |             |
| Features  | Flame Retardant                  |                   |             |
|   | Good Dimensional Stability       |                   |             |
|   | Good Processability              |                   |             |
|   | Good Stiffness                   |                   |             |
| Appearance  | Black                            |                   |             |
| Processing Method                                       | Injection Molding                |                   |             |
| Physical  | Nominal Value                    | Unit              | Test Method |
| Specific Gravity  | 1.12                             | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (240°C/5.0 kg)                | 10                               | g/10 min          | ASTM D1238  |
| Molding Shrinkage - Flow                                | 0.20 to 0.40                     | %                 | ASTM D955   |
| Mechanical  | Nominal Value                    | Unit              | Test Method |
| Tensile Strength (Yield)                                | 61.0                             | MPa               | ASTM D638   |
| Flexural Modulus  | 3700                             | MPa               | ASTM D790   |
| Flexural Strength                                       | 98.0                             | MPa               | ASTM D790   |
| Impact  | Nominal Value                    | Unit              | Test Method |
| Notched Izod Impact (23°C)                              | 94                               | J/m               | ASTM D256   |
| Thermal   | Nominal Value                    | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 97.0                             | °C                | ASTM D648   |
| Flammability  | Nominal Value                    |                   | Test Method |
| Flame Rating  | HB                               |                   | UL 94       |
| Injection   | Nominal Value                    | Unit              |             |
| Drying Temperature                                      | 80.0 to 90.0                     | °C                |             |
| Drying Time   | 3.0 to 4.0                       | hr                |             |
| Rear Temperature  | 220 to 240                       | °C                |             |
| Middle Temperature                                      | 230 to 250                       | °C                |             |
| Front Temperature                                       | 240 to 255                       | °C                |             |
| Nozzle Temperature                                      | 240 to 250                       | °C                |             |
| Mold Temperature  | 60.0 to 80.0                     | °C                |             |

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