

MAJORIS DT 208

Polypropylene

AD majoris

Message:

DT 208 is a natural, 20% mineral filled grade intended for injection moulding.
The product is available in natural (DT 208).
DT 208 has been developed especially for the laser printing, to be used in interior parts and also an excellent balance between the impact strength and stiffness, and it has very good surface quality.

APPLICATIONS

Appliance parts
Miscellaneous technical items

| General Information | | | |
|---|--------------------------------------|-------------------|-------------|
| Filler / Reinforcement | Mineral filler, 20% filler by weight | | |
| Features | Rigid, good | | |
| | Laser marking | | |
| | Good strength | | |
| | Excellent appearance | | |
| Uses | Electrical/Electronic Applications | | |
| | Home appliance components | | |
| Appearance | Natural color | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.05 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 8.0 | g/10 min | ISO 1133 |
| Molding Shrinkage - Flow (23°C) | 1.0 - 1.6 | % | ISO 294-4 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Yield, 23°C, Injection Molded) | 25.0 | MPa | ISO 527-2 |
| Tensile Strain (Yield, 23°C, Injection Molded) | 5.0 | % | ISO 527-2 |
| Flexural Modulus (23°C, Injection Molded) | 2300 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength (23°C, Injection Molded) | 11 | kJ/m ² | ISO 179/1eA |
| Charpy Unnotched Impact Strength | | | ISO 179/1eU |
| -20°C, injection molding | 37 | kJ/m ² | ISO 179/1eU |
| 23°C, injection molding | No Break | | ISO 179/1eU |
| Thermal | Nominal Value | Unit | Test Method |

| | | | |
|---|---------------|------|-------------|
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 61.0 | °C | ISO 75-2/A |
| Vicat Softening Temperature | | | |
| -- | 150 | °C | ISO 306/A |
| -- | 80.0 | °C | ISO 306/B |
| Flammability | Nominal Value | | Test Method |
| Flame Rating | HB | | UL 94 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 80.0 | °C | |
| Drying Time | 3.0 | hr | |
| Processing (Melt) Temp | 210 - 260 | °C | |
| Mold Temperature | 30.0 - 50.0 | °C | |
| Injection Rate | Moderate | | |
| Injection instructions | | | |

Hold-on Pressure: 50 - 60% of the injection pressure

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