

MAJORIS CE220 - 1355

Polypropylene

AD majoris

Message:

CE220 - 1355 is a mineral/elastomer reinforced polypropylene compound intended for injection moulding.
CE220 - 1355 has been developed especially for the car industry, to be used in interior parts and electrical applications, conform to RoHS norm (2002/95/EC).
The product is available in black (CE220 - 8229) and natural (CE220) but other colours can be provided on request.
CE220 - 1355 has a very easy flowing and excellent mechanical properties.

APPLICATIONS

- Interior panels
- Dashboard
- Consoles
- Door panels and pockets
- Electrical appliances
- Household articles

| General Information | | | |
|---------------------------|---------------------------|-------------------|-------------|
| Filler / Reinforcement | Mineral | | |
| Additive | Impact Modifier | | |
| Features | Good Flow | | |
| | Impact Modified | | |
| | Recyclable Material | | |
| Uses | Appliances | | |
| | Automotive Applications | | |
| | Automotive Electronics | | |
| | Automotive Interior Parts | | |
| | Household Goods | | |
| RoHS Compliance | RoHS Compliant | | |
| Appearance | Black | | |
| | Colors Available | | |
| | Natural Color | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.13 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) | | | ISO 1133 |
| 230°C/2.16 kg | 6.0 | g/10 min | |
| 230°C/5.0 kg | 27 | g/10 min | |
| Molding Shrinkage | 0.90 to 1.2 | % | |
| Hardness | Nominal Value | Unit | Test Method |

| Shore Hardness (Shore D) | 69 | | ISO 868 |
|----------------------------------|---------------|-------------------|--------------|
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 1900 | MPa | ISO 527-2 |
| Tensile Stress (Yield) | 31.0 | MPa | ISO 527-2/50 |
| Tensile Strain (Yield) | 3.0 | % | ISO 527-2/50 |
| Flexural Modulus ¹ | 2300 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength | | | ISO 179/1eA |
| -20°C | 4.5 | kJ/m ² | |
| 23°C | 11 | kJ/m ² | |
| Charpy Unnotched Impact Strength | | | ISO 179/1eU |
| -20°C | 41 | kJ/m ² | |
| 23°C | 110 | kJ/m ² | |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature | | | |
| 0.45 MPa, Unannealed | 116 | °C | ISO 75-2/B |
| 1.8 MPa, Unannealed | 60.0 | °C | ISO 75-2/A |
| Vicat Softening Temperature | | | |
| -- | 153 | °C | ISO 306/A |
| -- | 77.0 | °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 | 220 to 260 | °C | |
| Mold Temperature | 30.0 to 60.0 | °C | |
| Injection Rate | Slow-Moderate | | |
| NOTE | | | |
| 1. | 2.0 mm/min | | |

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