

MAJ'ECO DEP279C

Polypropylene

AD majoris

Message:

MAJ'ECO DEP279C is a vegetal fibre polypropylene compound intended for injection moulding.
MAJ'ECO DEP279C has been developed especially for demanding applications in various engineering sectors.

APPLICATIONS

Product such as:

- Boxes
- Racks
- Technical components

| General Information | | | |
|---|-----------------------------------|-------------------|--------------|
| Filler / Reinforcement | Natural fiber reinforced material | | |
| Features | Updatable resources | | |
| | Recyclable materials | | |
| Uses | Bracket | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.860 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 6.8 | g/10 min | ISO 1133 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 850 | MPa | ISO 527-2/1 |
| Tensile Stress (Break) | 19.0 | MPa | ISO 527-2/50 |
| Flexural Modulus ¹ | 880 | MPa | ISO 178 |
| Flexural Stress ² | 33.0 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength (23°C) | 4.3 | kJ/m ² | ISO 179/1eA |
| Charpy Unnotched Impact Strength (23°C) | 26 | kJ/m ² | ISO 179/1eU |
| Flammability | Nominal Value | | Test Method |
| Flame Rating | HB | | UL 94 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 80.0 | °C | |
| Drying Time | 4.0 | hr | |
| Processing (Melt) Temp | 150 - 180 | °C | |
| Mold Temperature | 30.0 - 50.0 | °C | |
| Injection Rate | Moderate | | |
| Injection instructions | | | |
| Holding pressure: 50 to 70% of the injection pressure | | | |

NOTE

- | | |
|----|------------|
| 1. | 2.0 mm/min |
| 2. | 50 mm/min |

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