

Product Texts

Compound PP/Wood Flour (WPC-Wood Plastic Compound) containing between 30 % and 50 % of wood fillers.

High degree of fluidity for injection molding of parts with thicknesses ≥ 3 mm; good overall balance of mechanical and thermal properties, high impact resistance.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|--------------|------------------------|----------------------|
| ISO Data | | | |
| Melt volume-flow rate, MVR | 23 | cm ³ /10min | ISO 1133 |
| Temperature | 190 | °C | - |
| Load | 10 | kg | - |

| Mechanical properties | Value | Unit | Test Standard |
|-------------------------------|--------------|-------------------|----------------------|
| ISO Data | | | |
| Tensile Modulus | 1750 | MPa | ISO 527 |
| Stress at break | 32 | MPa | ISO 527 |
| Strain at break | 5.3 | % | ISO 527 |
| Flexural modulus, 23°C | 3150 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 19 | kJ/m ² | ISO 179/1eU |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Density | 1060 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature | 100 | °C | - |
| Pre-drying - Time | 7 | h | - |
| Processing humidity | ≤0.05 | % | - |
| Mold temperature | 40 - 60 | °C | - |
| Zone 1 | 160 - 165 | °C | - |
| Nozzle temperature | 175 - 180 | °C | - |

Characteristics

Processing

Injection Molding

Certifications

Contains renewable resources

Special Characteristics

High impact or impact modified

Regional Availability

Europe