

Product Texts

Compound PP/Wood Flour (WPC-Wood Plastic Compound) containing between 30 % and 40 % of wood fillers.

High degree of fluidity for injection molding of parts with thicknesses even less than 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	62	cm ³ /10min	ISO 1133
Temperature	190	°C	-
Load	10	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1420	MPa	ISO 527
Stress at break	28	MPa	ISO 527
Strain at break	6	%	ISO 527
Flexural modulus, 23°C	2460	MPa	ISO 178
Charpy impact strength, +23°C	16	kJ/m ²	ISO 179/1eU

Other properties	Value	Unit	Test Standard
Density	1070	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