

Product Texts

Compound PP/Wood Flour (WPC-Wood Plastic Compound) containing between 35 % and 55 % of wood fillers.

Medium-Low degree of fluidity; good overall balance of mechanical and thermal properties, high impact and mechanical stress resistance.

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	5	cm ³ /10min	ISO 1133
Temperature	190	°C	-
Load	10	kg	-

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2040	MPa	ISO 527
Stress at break	34	MPa	ISO 527
Strain at break	4	%	ISO 527
Flexural modulus, 23°C	3480	MPa	ISO 178
Charpy impact strength, +23°C	15	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