plasticWOOD Compound PP40 SCD

PP-W40 Felli S.r.l.

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 flexural strength.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**29**	cm³/10min	ISO 1133
Temperature	**190**	°C	-
Load	**10**	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**1740**	MPa	ISO 527
Stress at break	**32**	MPa	ISO 527
Strain at break	**5**	%	ISO 527
Flexural modulus, 23°C	**3490**	MPa	ISO 178
Charpy impact strength, +23°C	**13**	kJ/m²	ISO 179/1eU

Other properties	Value	Unit	Test Standard
Density	**1060**	kg/m³	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

Regional Availability

Europe

Certifications

Contains renewable resources