

Material Data Sheet

GC green 3082 FC95 T13

Compound with 30 wt% natural fibers.

The natural fibers are GMO free, do not compete with the food chain and do not require additional areal. Golden Compound green has a lower carbon footprint than the materials it is targeted to replace.

Mechanical Properties

<i>Property</i>	<i>Norm</i>	<i>Units</i>	<i>Value</i>
Density	ISO 1183	g/cm ³	1.4
MVR	ISO 1133 (190 °C/5 kg)	cm ³ /10 min	3.2 - 4.1
E-Modulus	ISO 527	MPa	2960
Tensile Strength	ISO 527	MPa	21
Elongation at break	ISO 527	%	3.9
Charpy unnotched _{23 °C}	ISO 179/1eU	kJ/m ²	14.6
Charpy notched _{23 °C}	ISO 179/1eA	kJ/m ²	6.6

Thermal Properties

HDT B	ISO 75-1 (0.45 MPa)	°C	90
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Processing Guidelines

Melt Temperature	°C	160 - 180
Mold Temperature	°C	20 - 60
Drying Temperatur	°C	80
Drying Time	h	4
Maximum Moisture Content	%	0.04