

Material Data Sheet

GC green M2571 7G3 A

Compound with 25 wt% natural fibers derived from sunflower seed hulls and wood with high flow for thin wall applications.

Fibers derived from sunflower seed hulls are a side product of sunflower oil production. They are GMO free, do not compete with the foodchain 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	1.3
MVR	ISO 1133 (190 °C/5 kg)	cm ³ /10 min	50
E-Modulus	ISO 527	MPa	1600
Tensile Strength	ISO 527	MPa	16
Elongation at break	ISO 527	%	4.3
Charpy unnotched _{23 °C}	ISO 179/1eU	kJ/m ²	9.4
Charpy notched _{23 °C}	ISO 179/1eA	kJ/m ²	4.8

Thermal Properties

HDT B	ISO 75-1 (0.45 MPa)	°C	92
-------	---------------------	----	----

Processing Guidelines

Melt Temperature	°C	160 - 180
Mold Temperature	°C	20 - 60
Drying Temperature	°C	80
Drying Time	h	6 – 8
Maximum Moisture Content	%	0.04