

Preliminary Material Data Sheet

GC green 2012-91 MI T15

Compound with 20 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.

Material for extrusion of pipes and other semi-finished products, biodegradable.

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	4
E-Modulus	ISO 527	MPa	1470
Tensile Strength	ISO 527	MPa	31
Elongation at break	ISO 527	%	6.5
Charpy unnotched _{23 °C}	ISO 179/1eU	kJ/m ²	18.5
Charpy notched _{23 °C}	ISO 179/1eA	kJ/m ²	4.3

Processing Guidelines

Melt Temperature	°C	120 - 160
Mold Temperature	°C	120 - 160
Drying Temperature	°C	80
Drying Time	h	4
Maximum Moisture Content	%	0.04