

Material Data Sheet

GC pro 3560 THP 10LP41

Easy flowing PP-Compound with 35 wt% natural fibers derived from sunflower seed hulls.

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 pro 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	1.02
MVR	ISO 1133 (190 °C/5 kg)	cm ³ /10 min	26
E-Modulus	ISO 527	MPa	1700
Tensile Strength	ISO 527	MPa	21
Elongation at break	ISO 527	%	10
Charpy unnotched _{23 °C}	ISO 179/1eU	kJ/m ²	24
Charpy notched _{23 °C}	ISO 179/1eA	kJ/m ²	6

Thermal Properties

Shrinkage parallel	ISO 294-4	%	1.1 – 1.4
Shrinkage orthogonal	ISO 294-4	%	1.1 – 1.4

Processing Guidelines

Melt Temperature	°C	180 - 190
Mold Temperature	°C	20 - 60
Drying Temperatur	°C	80
Drying Time	h	4
Maximum Moisture Content	%	0.04