

Material Data Sheet

Golden Compound 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/5kg)	cm ³ /10min	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
Moisture Content	%	0,04