

Golden Compound PP S²PC 3545 BO GF20

Polypropylene
Golden Compound GmbH

Message:

PP compound with 35 wt.% natural fibers derived from Sunflower Seed Hulls and 20 wt.% glass fiber.
Fibers derived from Sunflower Seed Hulls are a side product of Sunflower Oil production. They are GMO free, do not compete with the food chain and do not require additional areal. S² PC has a lower carbon footprint than the materials it is targeted to replace.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
	Natural Fiber,35% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Volume-Flow Rate (MVR) (190°C/5.0 kg)	26.0	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.80	%	
Flow	0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5040	MPa	ISO 527-2
Tensile Stress	48.0	MPa	ISO 527-2
Tensile Strain (Break)	3.3	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	20	kJ/m ²	ISO 179/1eU
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	< 0.040	%	
Processing (Melt) Temp	190	°C	
Mold Temperature	20.0 to 40.0	°C	

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Recommended distributors for this material

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