

# Golden Compound PP S<sup>2</sup>PC 3545 BO 10V34

Polypropylene

Golden Compound GmbH

## Message:

Easy flowing PP compound with 35 wt.% natural fibers derived from Sunflower Seed Hulls and impact modification.

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 area. S<sup>2</sup> PC has a lower carbon footprint than the materials it is targeted to replace.

General Information			
Filler / Reinforcement	Natural Fiber,35% Filler by Weight		
Features	Good Flow		
	Impact Modified		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm <sup>3</sup>	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/5.0 kg)	30.0	cm <sup>3</sup> /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1450	MPa	ISO 527-2
Tensile Stress	18.0	MPa	ISO 527-2
Tensile Strain (Break)	12	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.5	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	26	kJ/m <sup>2</sup>	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	180 to 190	°C	
Mold Temperature	20.0 to 60.0	°C	

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## Recommended distributors for this material

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