

# Golden Compound PP S<sup>2</sup>PC 3545 BO 10LP41

Polypropylene

Golden Compound GmbH

## Message:

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 food chain and do not require additional areal. S<sup>2</sup> PC has a lower carbon footprint than the materials it is targeted to replace.

General Information			
Filler / Reinforcement	Natural fiber reinforced material, 30% filler by weight		
Features	Updatable resources Good liquidity		
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)	33.0	cm <sup>3</sup> /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1700	MPa	ISO 527-2
Tensile Stress	22.0	MPa	ISO 527-2
Tensile Strain (Break)	10	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.7	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	25	kJ/m <sup>2</sup>	ISO 179/1eU
Injection	Nominal Value	Unit	
Drying Temperature	80	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.040	%	
Processing (Melt) Temp	180 - 190	°C	
Mold Temperature	20 - 60	°C	

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## Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

