

Golden Compound PP S²PC 3545 BO 15IM16

Polypropylene

Golden Compound GmbH

Message:

Easy flowing PP compound medium impact modified 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. S² 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 ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/5.0 kg)	18.0	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.0	%	
Flow	0.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1850	MPa	ISO 527-2
Tensile Stress	19.0	MPa	ISO 527-2
Tensile Strain (Break)	9.5	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.8	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	22	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	°C	

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Recommended distributors for this material

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