

Celstran® PP-GF50-03-Black

Polypropylene
Celanese Corporation

Message:
50% long glass fiber reinforced, chemically coupled, heat stabilized, Polypropylene BLACK

General Information			
Filler / Reinforcement	Long glass fiber, 50% filler by weight		
Additive	heat stabilizer		
Features	Chemical coupling		
	Thermal Stability		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10300	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	115	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	1.8	%	ISO 527-2/1A/5
Flexural Modulus (23°C)	10500	MPa	ISO 178
Flexural Stress (23°C)	200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	25	kJ/m ²	ISO 179/1eA
Injection	Nominal Value	Unit	
Drying Temperature	90.0 - 100	°C	
Drying Time	2.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	220 - 230	°C	
Middle Temperature	220 - 230	°C	
Front Temperature	230 - 250	°C	
Nozzle Temperature	230 - 250	°C	
Processing (Melt) Temp	230 - 250	°C	
Mold Temperature	40.0 - 70.0	°C	
Injection instructions			

Zone 4 Temperature: 230 to 250°CFeed Temperature: 20 to 50°C

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