

Celstran® PBT-CF40-08

Polybutylene Terephthalate

Celanese Corporation

Message:

40% long carbon fiber reinforced PBT

General Information			
Filler / Reinforcement	Long carbon fiber, 40% filler by weight		
RoHS Compliance	Contact manufacturer		
Physical	Nominal Value	Unit	Test Method
Density	1.47	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	32000	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	220	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	0.85	%	ISO 527-2/1A/5
Flexural Modulus (23°C)	27500	MPa	ISO 178
Flexural Stress (23°C)	375	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	16	kJ/m ²	ISO 179/1eA
Injection	Nominal Value	Unit	
Drying Temperature	120 - 140	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.020	%	
Nozzle Temperature	265 - 285	°C	
Processing (Melt) Temp	265 - 285	°C	
Mold Temperature	90 - 100	°C	
Injection instructions			

Feed Temperature: 20 to 50°C

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Recommended distributors for this material

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