

Celstran PEHD-GF40-01

High Density Polyethylene

Celanese Corporation

Message:

40% long fiber glass reinforced, High Density Polyethylene

General Information			
Filler / Reinforcement	Long glass fiber, 40% filler by weight		
RoHS Compliance	Contact manufacturer		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6800	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	80.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.3	%	ISO 527-2/1A/5
Flexural Modulus (23°C)	7050	MPa	ISO 178
Flexural Stress (23°C)	136	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	24	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	200 - 210	°C	
Middle Temperature	210 - 220	°C	
Front Temperature	220 - 230	°C	
Nozzle Temperature	230 - 240	°C	
Processing (Melt) Temp	230 - 240	°C	
Mold Temperature	40.0 - 70.0	°C	
Injection instructions			

Zone 4 Temperature: 230 to 240°C Feed Temperature: 20 to 50°C

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Recommended distributors for this material

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