

Celstran® PP-GF40-10

Polypropylene

Celanese Corporation

Message:

40% long strand glass fiber reinforced, chemically coupled and heat stabilized polypropylene. Black

General Information			
UL YellowCard	E113269-237804	E113269-237805	
Filler / Reinforcement	Long glass fiber, 40% filler by weight		
Additive	heat stabilizer		
Features	Chemical coupling		
	Thermal Stability		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792, ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
23°C	8550	MPa	ASTM D638
--	7850	MPa	ISO 527-2/1A/1
Tensile Strength			
Fracture, 23°C	125	MPa	ASTM D638
Fracture	96.0	MPa	ISO 527-2/1A/5
Tensile Elongation			
Fracture, 23°C	2.1	%	ASTM D638
Fracture	1.9	%	ISO 527-2/1A/5
Flexural Modulus (23°C)	8000	MPa	ISO 178
Flexural Stress (23°C)	170	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	18	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	152	°C	ASTM D648
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	210 - 230	°C
Nozzle Temperature	210 - 230	°C
Processing (Melt) Temp	210 - 230	°C
Mold Temperature	40.0 - 70.0	°C

Injection instructions

Zone 4 Temperature: 210 to 230°C Feed Temperature: 20 to 50°C

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Recommended distributors for this material

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