



Celstran® PP-GF50-03-Black

Celanese Corporation - Polypropylene

Tuesday, November 5, 2019

General Information

Product Description

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

General

Material Status	• Commercial: Active	
Availability	• North America	
Filler / Reinforcement	• Long Glass Fiber, 50% Filler by Weight	
Additive	• Heat Stabilizer	
Features	• Chemically Coupled	• Heat Stabilized
RoHS Compliance	• Contact Manufacturer	
Appearance	• Black	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1.49E+6	psi	ISO 527-2/1A/1
Tensile Stress (Break)	16700	psi	ISO 527-2/1A/5
Tensile Strain (Break)	1.8	%	ISO 527-2/1A/5
Flexural Modulus (73°F)	1.52E+6	psi	ISO 178
Flexural Stress (73°F)	29000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	12	ft·lb/in ²	ISO 179/1eA

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	194 to 212	°F
Drying Time	2.0	hr
Suggested Max Moisture	0.20	%
Rear Temperature	428 to 446	°F
Middle Temperature	428 to 446	°F
Front Temperature	446 to 482	°F
Nozzle Temperature	446 to 482	°F
Processing (Melt) Temp	446 to 482	°F
Mold Temperature	104 to 158	°F

Injection Notes

Zone 4 Temperature: 230 to 250°C

Feed Temperature: 20 to 50°C

Notes

¹ Typical properties: these are not to be construed as specifications.

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