Celstran® PP-GF50-02- Natural

Celanese Corporation - Polypropylene

Tuesday, November 5, 2019

General Information

Product Description

50% long strand glass fiber chemically coupled polypropylene, Natural

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Long Glass Fiber, 50% Filler by Weight		
Features	• Chemically Coupled		
Appearance	• Natural Color		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm³	ISO 1183
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1.68E+6	psi	ISO 527-2/1A
Tensile Stress (Break)	21500	psi	ISO 527-2/1A/5
Tensile Strain (Break)	1.9	%	ISO 527-2/1A/5
Flexural Modulus (73°F)	1.74E+6	psi	ISO 178
Flexural Stress (73°F)	36500	psi	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	21	ft·lb/in²	ISO 179/1eA
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (0.06 in)	HB		UL 94

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

Feeding zone temperature: 20 to 50°C
Zone4 temperature: 230 to 250°C

Notes

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