Celstran® PP-GF30-03 Natural

Celanese Corporation - Polypropylene

Tuesday, November 5, 2019

General Information

Product Description

30% long glass fiber reinforced, chemically coupled, heat stabilized, Polypropylene Natural

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Long Glass Fiber, 30% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Chemically Coupled	• Heat Stabilized	
Appearance	• Natural Color		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm³	ISO 1183
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1.00E+6	psi	ISO 527-2/1A/1
Tensile Stress (Break)	18900	psi	ISO 527-2/1A/5
Tensile Strain (Break)	2.6	%	ISO 527-2/1A/5
Flexural Modulus (73°F)	957000	psi	ISO 178
Flexural Stress (73°F)	30000	psi	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	18	ft·lb/in²	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	392 to 410	°F
Middle Temperature	410 to 428	°F
Front Temperature	428 to 446	°F
Nozzle Temperature	446 to 464	°F
Processing (Melt) Temp	446 to 464	°F
Mold Temperature	104 to 158	°F

Injection Notes

Feed Temperature: 20 to 50°C

Zone 4 Temperature: 230 to 240°C

Notes

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