



Celstran® PP-GF50-10

Celanese Corporation - Polypropylene

Tuesday, November 5, 2019

General Information

Product Description

50% long fiber glass reinforced, enhanced flow, UV stabilized, Polypropylene

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Long Glass Fiber, 50% Filler by Weight		
Additive	• UV Stabilizer		
Features	• Good Flow	• UV Stabilized	
RoHS Compliance	• Contact Manufacturer		

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	1.60E+6	psi	ISO 527-2/1A
Tensile Stress (Break)	15500	psi	ISO 527-2/1A/5
Tensile Strain (Break)	1.7	%	ISO 527-2/1A/5
Flexural Modulus (73°F)	1.60E+6	psi	ISO 178
Flexural Stress (73°F)	26300	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	8.1	ft-lb/in ²	ISO 179/1eA
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.04 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	401 to 410	°F
Middle Temperature	410 to 419	°F
Front Temperature	428 to 446	°F
Nozzle Temperature	437 to 446	°F
Processing (Melt) Temp	428 to 464	°F
Mold Temperature	104 to 158	°F

Injection Notes

Feeding zone temperature: 20 to 50°C
Zone4 temperature: 225 to 230°C

Notes

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