Celstran® PP-GF30-10 AD 3019 Black

Celanese Corporation - Polypropylene

Tuesday, November 5, 2019

General Information

Product Description	
30% long fiber glass reinforced, enhanced flow, UV stabilized, Polypropylene	
General	
Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Long Glass Fiber, 30% Filler by Weight
Additive	• UV Stabilizer
Features	• Good Flow
RoHS Compliance	• Contact Manufacturer

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm³	ISO 1183
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	922000	psi	ISO 527-2/1A/1
Tensile Stress (Break)	13900	psi	ISO 527-2/1A/5
Tensile Strain (Break)	2.2	%	ISO 527-2/1A/5
Flexural Modulus (73°F)	943000	psi	ISO 178
Flexural Stress (73°F)	23900	psi	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	9.5	ft·lb/in²	ISO 179/1eA
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (66 psi, Unannealed)	322	°F	ISO 75-2/B
Heat Deflection Temperature (264 psi, Unannealed)	315	°F	ISO 75-2/A

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 401	°F
Middle Temperature	410 to 419	°F
Front Temperature	419 to 428	°F
Nozzle Temperature	428 to 437	°F
Processing (Melt) Temp	428 to 437	°F
Mold Temperature	104 to 158	°F

Injection Notes

Feed Temperature: 20 to 50°C

Notes

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