

Celstran® PP-GF30-10 AD 3019 Black

Polypropylene

Celanese Corporation

Message:

30% long fiber glass reinforced, enhanced flow, UV stabilized, Polypropylene

General Information			
Filler / Reinforcement	Long glass fiber, 30% filler by weight		
Additive	UV stabilizer		
Features	Good liquidity		
RoHS Compliance	Contact manufacturer		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6360	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	96.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.2	%	ISO 527-2/1A/5
Flexural Modulus (23°C)	6500	MPa	ISO 178
Flexural Stress (23°C)	165	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	20	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	161	°C	ISO 75-2/B
1.8 MPa, not annealed	157	°C	ISO 75-2/A
Injection	Nominal Value	Unit	
Drying Temperature	90.0 - 100	°C	
Drying Time	2.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	200 - 205	°C	
Middle Temperature	210 - 215	°C	
Front Temperature	215 - 220	°C	
Nozzle Temperature	220 - 225	°C	
Processing (Melt) Temp	220 - 225	°C	
Mold Temperature	40.0 - 70.0	°C	
Injection instructions			

Feed Temperature: 20 to 50°C

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