Celstran® PP-GF30-02 AD 3019

Polypropylene

Celanese Corporation

Message:

30% long glass fiber reinforced polypropylene - UV stabilized

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	UV stabilizer		
Features	Good UV resistance		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.12	g/cm³	ASTM D792, ISO 1183
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			
-40°C	8690	MPa	ASTM D638
23°C	6410	MPa	ASTM D638
93°C	3790	MPa	ASTM D638
--	6550	MPa	ISO 527-2/1A/1
Tensile Strength			
Fracture, -40°C	141	MPa	ASTM D638
Fracture, 23°C	108	MPa	ASTM D638
Fracture, 93°C	66.9	MPa	ASTM D638
Fracture	100	MPa	ISO 527-2/1A/5
Tensile Elongation			
Fracture, -40°C	2.1	%	ASTM D638
Fracture, 23°C	2.4	%	ASTM D638
Fracture, 93°C	2.8	%	ASTM D638
Fracture	2.1	%	ISO 527-2/1A/5
Flexural Modulus (23°C)	6500	MPa	ISO 178
Flexural Stress (23°C)	170	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	19	kJ/m²	ISO 179/1eA
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			
1.8 MPa, not annealed	149	°C	ASTM D648
1.8 MPa, not annealed	150	°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 - 210	°C
Middle Temperature	210 - 220	°C
Front Temperature	220 - 230	°C
Nozzle Temperature	230 - 240	°C
Processing (Melt) Temp	230 - 240	°C
Mold Temperature	40.0 - 70.0	°C

Injection instructions

Feed Temperature: 20 to 50°CZone 4 Temperature: 230 to 240°C

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China