

Celstran® PP-GF20-02 Natural

Polypropylene

Celanese Corporation

Message:

20% long glass polypropylene developed for aesthetic applications requiring good impact with a class A appearance.

General Information			
Filler / Reinforcement	Long glass fiber, 20% filler by weight		
Features	Impact resistance, good		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Vertical flow direction	0.70	%	ISO 294-4
Flow direction	0.47	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5390	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	111	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.9	%	ISO 527-2/1A/5
Flexural Modulus (23°C)	5100	MPa	ISO 178
Flexural Stress (23°C)	170	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 (1.8 MPa, Unannealed)	157	°C	ISO 75-2/A
Injection	Nominal Value	Unit	
Rear Temperature	220 - 230	°C	
Middle Temperature	230 - 240	°C	
Front Temperature	240 - 250	°C	
Nozzle Temperature	240 - 250	°C	
Processing (Melt) Temp	230 - 270	°C	
Mold Temperature	30.0 - 70.0	°C	
Injection Pressure	60.0 - 120	MPa	
Injection Rate	Slow		
Holding Pressure	40.0 - 80.0	MPa	
Back Pressure	0.00 - 3.00	MPa	
Injection instructions			

Feed Temperature: 20 to 50°CZone 4 Temperature: 250°CManifold Temperature: 230 to 270°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT