

Celstran® PP-GF20-23 Natural

Polypropylene

Celanese Corporation

Message:

Celstran PP-GF20-23 is a 20% long glass fiber Polypropylene. The -23 can be used in food contact applications since all of the raw materials contained within are FDA compliant. This material imparts excellent impact and modulus properties that exceed that of short glass fiber polypropylene.

General Information			
Filler / Reinforcement	Long glass fiber, 20% filler by weight		
Features	Impact resistance, good Compliance of Food Exposure		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4600	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	88.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.8	%	ISO 527-2/1A/5
Flexural Modulus (23°C)	4620	MPa	ISO 178
Flexural Stress (23°C)	145	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	19	kJ/m ²	ISO 179/1eA
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°C Zone 4 Temperature: 250°C Manifold 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

