

Michilene F8100GF20-02

Polypropylene Homopolymer

API Polymers, Inc.

Message:

Michilene F8100GF20-02 is a Polypropylene Homopolymer (PP Homopolymer) product filled with 20% glass fiber. It is available in North America. Primary characteristic: homopolymer.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Homopolymer		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	44.8	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus - Tangent	3100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	135	°C	
1.8 MPa, Unannealed	116	°C	
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	3.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	221	°C	
Middle Temperature	221	°C	
Front Temperature	224	°C	
Nozzle Temperature	227	°C	
Processing (Melt) Temp	227	°C	
Mold Temperature	37.8	°C	

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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

