

Michilene F8100GF30-02

Polypropylene Homopolymer

API Polymers, Inc.

Message:

Michilene F8100GF30-02 is a polypropylene homopolymer (PP Homopoly) product, which contains a 30% glass fiber reinforced material. It is available in North America. The main characteristics are: homopolymer.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Homopolymer		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	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	0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	51.7	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus - Tangent	4140	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	141	°C	ASTM D648
1.8 MPa, not annealed	129	°C	ASTM D648
Additional Information			
Drying Generally Not Necessary.			
Injection	Nominal Value	Unit	
Drying Temperature	82.0	°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	38.0	°C	

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