

Michimid K4100GF33-01

Polyamide 6

API Polymers, Inc.

Message:

Michimid K4100GF33-01 is a Polyamide 6 (Nylon 6) product filled with 33% glass fiber. It is available in North America.

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	179	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus - Tangent	8960	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	221	°C	
1.8 MPa, Unannealed	210	°C	
Melting Temperature	215	°C	ASTM D789
Injection	Nominal Value	Unit	
Drying Temperature	76.7	°C	
Drying Time	3.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	260	°C	
Middle Temperature	271	°C	
Front Temperature	271	°C	
Nozzle Temperature	266	°C	
Processing (Melt) Temp	277	°C	
Mold Temperature	79.4	°C	

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Recommended distributors for this material

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