

Michimid K4100

Polyamide 6

API Polymers, Inc.

Message:

Michimid K4100 is a polyamide 6 (nylon 6) product. It is available in North America.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm³	ASTM D792
Molding Shrinkage - Flow	1.2	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	79.3	MPa	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Flexural Modulus - Tangent	2690	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	182	°C	ASTM D648
1.8 MPa, not annealed	68.0	°C	ASTM D648
Melting Temperature	216	°C	ASTM D789
Additional Information			
Available with Heat Stabilizer			
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	3.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	246	°C	
Middle Temperature	241	°C	
Front Temperature	241	°C	
Nozzle Temperature	235	°C	
Processing (Melt) Temp	246	°C	
Mold Temperature	79.0	°C	

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Recommended distributors for this material

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