

# Niche PA6GF50BK

Polyamide 6

Niche Polymer, LLC

## Message:

Niche PA6GF50BK is a Polyamide 6 (Nylon 6) material filled with 50% glass fiber. It is available in North America.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage - Flow	0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	209	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Strength	282	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C, 3.18 mm)	140	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	216	°C	ASTM D648
Melting Temperature	216 to 227	°C	ASTM D789

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## Recommended distributors for this material

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