

OXNILON 6 50GF

Polyamide 6

Oxford Polymers

Message:

OXNILON 6 50GF is a Polyamide 6 (Nylon 6) material filled with 50% glass fiber. It is available in North America for injection molding.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.56	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	207	MPa	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Flexural Modulus	13800	MPa	ASTM D790
Flexural Strength	345	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	
Melting Temperature	220	°C	
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	260 to 288	°C	
Middle Temperature	271 to 299	°C	
Front Temperature	279 to 307	°C	
Nozzle Temperature	279 to 307	°C	
Processing (Melt) Temp	271 to 288	°C	
Mold Temperature	65.6 to 124	°C	

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Recommended distributors for this material

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