

OXNILON 6 43GF

Polyamide 6
Oxford Polymers

Message:

OXNILON 6 43GF is a Polyamide 6 (Nylon 6) material filled with 43% glass fiber. It is available in North America for injection molding.

General Information			
Filler / Reinforcement	Glass Fiber,43% Filler by Weight		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.47	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	193	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	10300	MPa	ASTM D790
Flexural Strength	310	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	211	°C	ASTM D648
Melting Temperature	219	°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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