

OXNILON 66 50GF

Polyamide 66
Oxford Polymers

Message:

OXNILON 66 50GF is a Polyamide 66 (Nylon 66) 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	1.61	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.15	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	200	MPa	
Break	200	MPa	
Tensile Elongation (Break)	1.5	%	ASTM D638
Flexural Modulus	13800	MPa	ASTM D790
Flexural Strength	290	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	252	°C	ASTM D648
Melting Temperature	263	°C	
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Rear Temperature	282 to 304	°C	
Middle Temperature	293 to 316	°C	
Front Temperature	304 to 327	°C	
Nozzle Temperature	302 to 324	°C	
Processing (Melt) Temp	293 to 304	°C	
Mold Temperature	43.3 to 104	°C	

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Recommended distributors for this material

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