

# OXNILON 66 ST-14GF

Polyamide 66  
Oxford Polymers

Message:

OXNILON 66 ST-14GF is a Polyamide 66 (Nylon 66) material filled with 14% glass fiber. It is available in North America for injection molding. Primary attribute of OXNILON 66 ST-14GF: Impact Modified.

General Information			
Filler / Reinforcement	Glass Fiber,14% Filler by Weight		
Additive	Impact Modifier		
Features	Impact Modified		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	58.6	MPa	ASTM D638
Tensile Elongation (Break)	12	%	ASTM D638
Flexural Modulus	2340	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	219	°C	ASTM D648
Melting Temperature	262	°C	
Injection	Nominal Value	Unit	
Drying Temperature	87.8	°C	
Drying Time	4.0	hr	
Rear Temperature	271 to 293	°C	
Middle Temperature	282 to 304	°C	
Front Temperature	293 to 316	°C	
Nozzle Temperature	291 to 313	°C	
Processing (Melt) Temp	288 to 299	°C	
Mold Temperature	43.3 to 104	°C	

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Recommended distributors for this material

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