

# OXNILON 66 30GF-V0

Polyamide 66  
Oxford Polymers

Message:

OXNILON 66 30GF-V0 is a Polyamide 66 (Nylon 66) material filled with 30% glass fiber. It is available in North America for injection molding. Important attributes of OXNILON 66 30GF-V0 are:

- Flame Retardant
- Good Mold Release
- Heat Stabilizer
- Lubricated
- Mold Release Agent

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
	Lubricant		
	Mold Release		
Features	Flame Retardant		
	Good Mold Release		
	Heat Stabilized		
	Lubricated		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.60	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30	%	ASTM D955
Water Absorption (Saturation)	4.7	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	145	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	10300	MPa	ASTM D790
Flexural Strength	221	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	249	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	

Drying Time	2.0	hr
Rear Temperature	249 to 282	°C
Middle Temperature	260 to 288	°C
Front Temperature	271 to 304	°C
Nozzle Temperature	271 to 304	°C
Processing (Melt) Temp	271 to 304	°C
Mold Temperature	65.6 to 110	°C

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#### Recommended distributors for this material

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