

OXNILON 66 ST 33GF

Polyamide 66
Oxford Polymers

Message:

OXNILON 66 ST 33GF is a Polyamide 66 (Nylon 66) material filled with 33% glass fiber. It is available in North America for injection molding. Important attributes of OXNILON 66 ST 33GF are:
Good Mold Release
Heat Stabilizer
Impact Modified
Lubricated
Mold Release Agent

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Additive	Heat Stabilizer		
	Impact Modifier		
	Lubricant		
	Mold Release		
Features	Good Mold Release		
	Heat Stabilized		
	Impact Modified		
	Lubricated		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30	%	ASTM D955
Water Absorption (Saturation)	5.5	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	134	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength	186	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	250	°C	ASTM D648
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	293 to 316	°C
Mold Temperature	43.3 to 104	°C

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Recommended distributors for this material

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