

# OXNILON 66 20PTFE

Polyamide 66  
Oxford Polymers

Message:

OXNILON 66 20PTFE is a Polyamide 66 (Nylon 66) material. It is available in North America for injection molding.  
Important attributes of OXNILON 66 20PTFE are:  
Good Mold Release  
Heat Stabilizer  
Lubricated  
Mold Release Agent

General Information			
Additive	Heat Stabilizer		
	Mold Release		
	PTFE Lubricant (20%)		
Features	Good Mold Release		
	Heat Stabilized		
	Lubricated		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.5	%	ASTM D955
Water Absorption (Saturation)	7.0	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	58.6	MPa	ASTM D638
Tensile Elongation (Break)	9.0	%	ASTM D638
Flexural Modulus	2240	MPa	ASTM D790
Flexural Strength	86.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	48	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	104	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	274 to 282	°C	
Middle Temperature	277 to 288	°C	

Front Temperature	282 to 293	°C
Nozzle Temperature	282 to 293	°C
Processing (Melt) Temp	277 to 299	°C
Mold Temperature	65.6 to 107	°C

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Recommended distributors for this material

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