

# OXNILON 66 Moly

Polyamide 66  
Oxford Polymers

Message:

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

General Information			
Additive	Heat Stabilizer		
	Mold Release		
	Molybdenum Disulfide Lubricant		
Features	Good Mold Release		
	Heat Stabilized		
	Lubricated		
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 (3.18 mm)	1.5	%	ASTM D955
Water Absorption (Saturation)	6.5	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	86.2	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	2930	MPa	ASTM D790
Flexural Strength	100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	37	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	93.3	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	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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