

OXNILON 66 30CF 15PTFE

Polyamide 66
Oxford Polymers

Message:

OXNILON 66 30CF 15PTFE is a Polyamide 66 (Nylon 66) material filled with 30% carbon fiber and 15% ptfe fiber. It is available in North America for injection molding. Primary attribute of OXNILON 66 30CF 15PTFE: Flame Rated.

General Information			
Filler / Reinforcement	Carbon Fiber,30% Filler by Weight		
	PTFE Fiber,15% Filler by Weight		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.15	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	214	MPa	
Break	214	MPa	
Flexural Modulus	17200	MPa	ASTM D790
Flexural Strength	310	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (4°C)	85	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	260	°C	
1.8 MPa, Unannealed, 3.18 mm	249	°C	
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.59 mm	HB		
3.18 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature	82.2 to 104	°C	
Drying Time	4.0	hr	
Rear Temperature	271 to 293	°C	
Middle Temperature	277 to 299	°C	
Front Temperature	282 to 304	°C	
Processing (Melt) Temp	282 to 299	°C	
Mold Temperature	65.6 to 104	°C	

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Recommended distributors for this material

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