

OXNILON 6 15IMP

Polyamide 6
Oxford Polymers

Message:

OXNILON 6 15IMP is a Polyamide 6 (Nylon 6) material. It is available in North America for injection molding.
Important attributes of OXNILON 6 15IMP are:
Flame Rated
Impact Modified

General Information			
Additive	Impact Modifier		
Features	Impact Modified		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.7 to 2.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	50.3	MPa	
Break	51.7	MPa	
Flexural Modulus	1690	MPa	ASTM D790
Flexural Strength	62.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (4°C)	850	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	213	°C	
1.8 MPa, Unannealed	68.3	°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.59 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	73.9 to 85.0	°C	
Drying Time	3.0 to 4.0	hr	
Drying Time, Maximum	8.0	hr	
Rear Temperature	266 to 277	°C	
Middle Temperature	271 to 282	°C	
Front Temperature	277 to 288	°C	
Processing (Melt) Temp	277 to 293	°C	
Mold Temperature	65.6 to 93.3	°C	

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Recommended distributors for this material

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