

Nivionplast® B C306MB NERO900

Polyamide 6
SO.F.TER. SPA

Message:

Nivionplast® B C306MB NERO900 is a Polyamide 6 (Nylon 6) material. It is available in Europe, Latin America, or North America for injection molding. Important attributes of Nivionplast® B C306MB NERO900 are:
Flame Rated
REACH Compliant

General Information			
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792
Molding Shrinkage	1.1	%	Internal Method
Water Absorption			ISO 62
Saturation, 23°C	7.0	%	
Equilibrium, 23°C, 50% RH	2.0	%	
Ash Content	30	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4900	MPa	ASTM D638
Tensile Strength (Break)	87.0	MPa	ASTM D638
Tensile Elongation (Break)	4.3	%	ASTM D638
Flexural Modulus	4700	MPa	ASTM D790
Flexural Strength	140	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	200	°C	
1.8 MPa, Unannealed	75.0	°C	
Peak Melting Temperature	220	°C	ASTM D3417
CLTE - Flow	4.5E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating (3.20 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	4.0	hr	
Rear Temperature	250	°C	
Middle Temperature	270	°C	

Front Temperature	280	°C
Mold Temperature	80.0 to 90.0	°C

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Recommended distributors for this material

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