

Nivionplast® A R306GY NAT

Polyamide 66

SO.F.TER. SPA

Message:

30% glass fiber reinforced, heat and hydrolysis stabilized polyamide 66

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
	Hydrolysis Resistant		
Features	Heat Stabilized		
	Hydrolysis Resistant		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm ³	ASTM D792
Molding Shrinkage	0.40	%	Internal Method
Water Absorption			ISO 62
Saturation, 23°C	5.5	%	
Equilibrium, 23°C, 50% RH	1.9	%	
Ash Content	30	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10000	MPa	ASTM D638
Tensile Strength (Break)	180	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	8500	MPa	ASTM D790
Flexural Strength	270	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	95	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	250	°C	
1.8 MPa, Unannealed	245	°C	
Peak Melting Temperature	260	°C	ASTM D3417
CLTE - Flow	2.5E-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	270	°C
Middle Temperature	285	°C
Front Temperature	300	°C
Mold Temperature	80.0 to 90.0	°C

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Recommended distributors for this material

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