

Nivionplast® A R356G NAT

Polyamide 66

SO.F.TER. SPA

Message:

35% glass fiber reinforced polyamide 66, heat stabilized grade

General Information			
Filler / Reinforcement	Glass Fiber,35% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Molding Shrinkage	0.40	%	Internal Method
Water Absorption			ISO 62
Saturation, 23°C	5.0	%	
Equilibrium, 23°C, 50% RH	1.6	%	
Ash Content	35	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11500	MPa	ASTM D638
Tensile Strength (Break)	200	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	10000	MPa	ASTM D790
Flexural Strength	290	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	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	248	°C	
Peak Melting Temperature	260	°C	ASTM D3417
CLTE - Flow	1.8E-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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