

Nivionplast® B R50G NERO

Polyamide 6

SO.F.TER. SPA

Message:

50% glass fiber reinforced polyamide 6

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.56	g/cm ³	ASTM D792
Molding Shrinkage	0.15	%	Internal Method
Ash Content	50	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15000	MPa	ASTM D638
Tensile Strength (Break)	190	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	15000	MPa	ASTM D790
Flexural Strength	320	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	218	°C	
1.8 MPa, Unannealed	208	°C	
Peak Melting Temperature	220	°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	250	°C	
Middle Temperature	270	°C	
Front Temperature	280	°C	
Mold Temperature	80.0 to 90.0	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any

infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

