

Nylfor® B2 FR1/2A NATURALE

Polyamide 6

SO.F.TER. SPA

Message:

Standard viscosity polyamide 6. Flame retardant grade UL94 V-2, halogen and phosphorus free

General Information			
Features	Flame Retardant		
	Halogen Free		
	Low (to None) Phosphorus Content		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Molding Shrinkage	1.1	%	Internal Method
Water Absorption			ISO 62
Saturation, 23°C	6.0	%	
Equilibrium, 23°C, 50% RH	1.8	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3500	MPa	ASTM D638
Tensile Strength (Break)	80.0	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	3100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C)	45	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	70.0	°C	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-0		
3.20 mm	V-0		
Glow Wire Flammability Index	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	4.0	hr	
Rear Temperature	220	°C	

Middle Temperature	230	°C
Front Temperature	240	°C
Mold Temperature	60.0 to 80.0	°C

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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

