

Nylfor® B2 E4/3E NATURALE

Polyamide 6

SO.F.TER. SPA

Message:

Nylfor® B2 E4/3E NATURALE is a Polyamide 6 (Nylon 6) material. It is available in Europe, Latin America, or North America for injection molding. Important attributes of Nylfor® B2 E4/3E NATURALE are:

- Flame Rated
- REACH Compliant

General Information			
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Molding Shrinkage	1.6	%	Internal Method
Water Absorption			ISO 62
Saturation, 23°C	7.0	%	
Equilibrium, 23°C, 50% RH	2.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1800	MPa	ASTM D638
Tensile Strength (Yield)	40.0	MPa	ASTM D638
Tensile Elongation (Break)	90	%	ASTM D638
Flexural Modulus	1400	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	88	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C)	800	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	50.0	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	HB		
3.20 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	4.0	hr	
Rear Temperature	240	°C	
Middle Temperature	260	°C	

Front Temperature	270	°C
Mold Temperature	60.0 to 80.0	°C

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Recommended distributors for this material

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