

# Ecotan B F30 FL CB NAT

Polyamide 6

Soredi S.p.a.

## Message:

Ecotan B F30 FL CB NAT is a polyamide 6 (nylon 6) material, which contains a filler of 30% glass fabric reinforcement. This product is available in Europe. The main characteristics of Ecotan B F30 FL CB NAT are: flame retardant/rated flame.

General Information			
Filler / Reinforcement	Glass fabric reinforcement, 30% filler by weight		
Additive	Titanium dioxide (TiO2)		
Features	General		
Appearance	Natural color		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm³	ASTM D792
Molding Shrinkage	0.30 - 0.50	%	ISO 294-4
Water Absorption (23°C, 24 hr)	1.0	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	155	MPa	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
Flexural Modulus	7000	MPa	ASTM D790
Flexural Strength (Break)	220	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	75	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	200	°C	ASTM D648
Vicat Softening Temperature	210	°C	ASTM D1525 <sup>1</sup>
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	21	kV/mm	IEC 60243-1
Comparative Tracking Index	500	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Ignition Temperature (2.00 mm)	650	°C	IEC 60695-2-13
Additional Information			
The value listed as Molding Shrinkage ISO 294-4, was tested in accordance with ISO 2577.Limit Temperature, IEC 216, 20000 hrs: 100°C			
NOTE			
1.	标准 B (120°C/h), 载荷2 (50N)		

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