

Ecotan B F50 FL NERO

Polyamide 6

Soredi S.p.a.

Message:

Polyamide 6 black, reinforced with 50% glass fibre, good mechanical properties.

General Information			
Filler / Reinforcement	Glass fabric reinforced material, 50% filler by weight		
Appearance	Black		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Molding Shrinkage	0.20 - 0.40	%	ISO 294-4
Water Absorption			ASTM D570
23°C, 24 hr	0.80	%	ASTM D570
Equilibrium, 23°C, 50% RH	0.80	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	200	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	12000	MPa	ASTM D790
Flexural Strength (Break)	270	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	210	°C	ASTM D648
Vicat Softening Temperature	215	°C	ASTM D1525 ¹
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	20	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: 105°C			
NOTE			
1.	标准 B (120°C/h), 载荷2 (50N)		

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