

Ecotan B FM SB NAT

Polyamide 6

Soredi S.p.a.

Message:

Polyamide 6 natural, without TIO2, medium viscosity, good mechanical properties, suitable for general purpose applications.

General Information			
Features	Medium viscosity		
Uses	General		
Appearance	Natural color		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm³	ASTM D792
Molding Shrinkage	1.3 - 1.7	%	ISO 294-4
Water Absorption			ASTM D570
23°C, 24 hr	10	%	ASTM D570
Equilibrium, 23°C, 50% RH	1.8	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	80.0	MPa	ASTM D638
Tensile Elongation (Break)	80	%	ASTM D638
Flexural Modulus	2600	MPa	ASTM D790
Flexural Strength (Break)	100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	70.0	°C	ASTM D648
Vicat Softening Temperature	190	°C	ASTM D1525 ¹
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	18	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)	750	°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: 60°CWater Absorption @ Equil. ASTM D570, 50% RH, 23 °C: 1.5 to 2.0%			
NOTE			
1.	标准 B (120°C/h), 载荷2 (50N)		

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