

Ecotan B FL HI 1 SB NAT

Polyamide 6

Soredi S.p.a.

Message:

Polyamide 6 natural colour, without TIO2, medium impact grade.

General Information			
Features	Medium impact resistance		
Appearance	Natural color		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792
Molding Shrinkage	1.3 - 1.7	%	ISO 294-4
Water Absorption			ASTM D570
23°C, 24 hr	9.0	%	ASTM D570
Equilibrium, 23°C, 50% RH	1.3	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	65.0	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	2200	MPa	ASTM D790
Flexural Strength (Break)	90.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	60.0	°C	ASTM D648
Vicat Softening Temperature	170	°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
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 Aborption @ Equil, ASTM D570, 23°C, 50%RH: 1.1 to 1.5%			
NOTE			

1. 标准 B (120°C/h), 载荷2 (50N)

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