

Niretan B C1515

Polyamide 6

Soredi S.p.a.

Message:

Poliamide 6 reinforced with a mix glass fibre and mineral filler, for the injection moulding of parts That need good isotropic properties.

General Information				
Filler / Reinforcement		Glass \Mineral		
Forms		Particle		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.36	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.60	1.2	%	ASTM D955
Water Absorption				ASTM D570
23°C, 24 hr	6.5	--	%	ASTM D570
Equilibrium, 23°C, 50% RH	2.0	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	120	80		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength ¹ (Yield)	120	60.0	MPa	ASTM D638
Tensile Elongation ² (Break)	4.0	10	%	ASTM D638
Flexural Modulus ³	6000	2600	MPa	ASTM D790
Flexural Strength ⁴ (Break)	160	90.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact				ASTM D256
-20°C, 3.20 mm	30	30	J/m	ASTM D256
23°C, 3.20 mm	40	60	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)				
	60.0	--	°C	ASTM D648
Peak Crystallization Temperature (DSC)				
	220	--	°C	ASTM D3418
CLTE - Flow	1.0E-5	--	cm/cm/°C	ISO 11359-2
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+14	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+15	1.0E+12	ohms · cm	IEC 60093
Dielectric Strength (1.00 mm)	30	25	kV/mm	IEC 60243-1

Relative Permittivity (1 MHz)	3.50	4.00		IEC 60250
Dissipation Factor (1 MHz)	0.020	0.10		IEC 60250
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
1.60 mm	HB	--		UL 94
3.20 mm	HB	--		UL 94
Glow Wire Ignition Temperature (2.00 mm)	650	--	°C	IEC 60695-2-13

Additional Information

干燥
Water Absorption @ 24 hrs, ASTM D570, 23°C: 6 to 7%

NOTE

1.	50 mm/min
2.	50 mm/min
3.	1.3 mm/min
4.	1.3 mm/min

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