

Niretan A 27 EXL

Polyamide 66
Soredi S.p.a.

Message:
Polyamide 66 of natural color, externally lubricated, easy flowing and fast processing.

General Information				
Additive		Lubricant		
Features		Fast Molding Cycle		
		Good Flow		
		Lubricated		
Appearance		Natural Color		
Forms		Pellets		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.14	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.2 to 2.4	--	%	ASTM D955
Water Absorption			ASTM D570	
23°C, 24 hr	10	--	%	
Equilibrium, 23°C, 50% RH	3.0	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	110	110		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength ¹				ASTM D638
Yield	90.0	55.0	MPa	
Break	70.0	50.0	MPa	
Tensile Elongation ² (Break)	30	60	%	ASTM D638
Flexural Modulus ³	3000	1200	MPa	ASTM D790
Flexural Strength ⁴ (Break)	120	60.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact			ASTM D256	
-20°C, 3.20 mm	40	70	J/m	
23°C, 3.20 mm	60	150	J/m	
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	75.0	--	°C	ASTM D648
Peak Crystallization Temperature (DSC)	260	--	°C	ASTM D3418
CLTE - Flow	9.0E-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
Electric Strength (1.00 mm)	30	35	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	V-2	--		
3.20 mm	V-2	--		
Glow Wire Ignition Temperature (2.00 mm)	750	--	°C	IEC 60695-2-13
NOTE				
1.	50 mm/min			
2.	50 mm/min			
3.	1.3 mm/min			
4.	1.3 mm/min			

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