

Niretan B 27 M AE/V2

Polyamide 6
Soredi S.p.a.

Message:
Polyamide 6 impact modified, flame retardant as per UL 94 V2 rating, for injection moulding.

General Information				
Additive		Impact Modifier		
Features		Flame Retardant		
		Impact Modified		
Forms		Pellets		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.25	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.0 to 2.5	--	%	ASTM D955
Water Absorption				ASTM D570
23°C, 24 hr	6.0	--	%	
Equilibrium, 23°C, 50% RH	2.5	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	105	--		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength ¹ (Yield)	60.0	40.0	MPa	ASTM D638
Tensile Elongation ² (Break)	20	100	%	ASTM D638
Flexural Modulus ³	2700	900	MPa	ASTM D790
Flexural Strength ⁴ (Break)	70.0	40.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact				ASTM D256
-20°C, 3.20 mm	70	100	J/m	
23°C, 3.20 mm	90	150	J/m	
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	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	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	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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