

Niretan A AE/V0

Polyamide 66

Soredi S.p.a.

Message:

Polyamide 66 flame retardant with an UL 94 V0 at 1.6 mm rating

General Information				
Features		Flame Retardant		
Forms		Pellets		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.16	--	g/cm ³	ASTM D792
Water Absorption				ASTM D570
23°C, 24 hr	8.0	9.0	%	
Equilibrium, 23°C, 50% RH	2.5	3.1	%	
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	100	85		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength ¹ (Yield)	85.0	45.0	MPa	ASTM D638
Flexural Modulus ²	3000	1500	MPa	ASTM D790
Flexural Strength ³ (Break)	140	170	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact				ASTM D256
0°C, 3.20 mm	30	80	J/m	
23°C, 3.20 mm	40	200	J/m	
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	90.0	--	°C	ASTM D648
Peak Crystallization Temperature (DSC)	256	--	°C	ASTM D3418
CLTE - Flow	3.0E-6	--	cm/cm/°C	ISO 11359-2
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+12	1.0E+10	ohms	IEC 60093
Volume Resistivity	1.0E+15	1.0E+12	ohms · cm	IEC 60093
Electric Strength (1.00 mm)	90	50	kV/mm	IEC 60243-1
Relative Permittivity (1 MHz)	3.50	5.50		IEC 60250
Dissipation Factor (1 MHz)	0.014	0.016		IEC 60250
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94

1.60 mm	V-0	--		
3.20 mm	V-0	--		
Glow Wire Ignition Temperature (2.00 mm)	960	--	°C	IEC 60695-2-13

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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

