

NIRETAN A AE/V0

PA66

Soredi S.p.a.

Mechanical properties	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	85 / -	MPa	ASTM D 638
Flexural Modulus	3000 / -	MPa	ASTM D 790
Flexural Strength	140 / -	MPa	ASTM D 790
Rockwell Hardness	R 100 /	-	ASTM D 785
Izod Impact notched, 1/8 in	38.4 / -	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	28.8 / -	J/m	ASTM D 256
Temperature	0	°C	-

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Coeff. of linear therm. expansion, normal	30 / *	E-6/K	ISO 11359-1/-2
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 264 psi	90	°C	ASTM D 648
Melting Temperature	256	°C	ASTM D 3418

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	3.5 / 5.5	-	IEC 62631-2-1
Dissipation factor, 1MHz	140 / 160	E-4	IEC 62631-2-1
Volume resistivity	1E13 / 1E10	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E10	Ohm	IEC 62631-3-2
Electric strength	90 / 50	kV/mm	IEC 60243-1

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	8	%	ASTM D 570
Density	1160	kg/m ³	ASTM D 792

Characteristics**Special Characteristics**

Flame retardant

Regional Availability

Europe