

NIRETAN A F20 AE/V2

PA66-GF20

Soredi S.p.a.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955
Mechanical properties			
	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	130 / -	MPa	ASTM D 638
Tensile Strength at Break	130 / -	MPa	ASTM D 638
Flexural Modulus	6500 / -	MPa	ASTM D 790
Flexural Strength	190 / -	MPa	ASTM D 790
Rockwell Hardness	R 115 /	-	ASTM D 785
Izod Impact notched, 1/8 in	48 / -	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	38.4 / -	J/m	ASTM D 256
Temperature	-20	°C	-
Thermal properties			
	dry / cond	Unit	Test Standard
ISO Data			
Coeff. of linear therm. expansion, normal	40 / *	E-6/K	ISO 11359-1/-2
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 264 psi	245	°C	ASTM D 648
Melting Temperature	260	°C	ASTM D 3418
Electrical properties			
	dry / cond	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	3.5 / 4	-	IEC 62631-2-1
Dissipation factor, 1MHz	200 / 1000	E-4	IEC 62631-2-1
Volume resistivity	1E13 / 1E10	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E13	Ohm	IEC 62631-3-2
Electric strength	30 / 35	kV/mm	IEC 60243-1
Other properties			
	Value	Unit	Test Standard
Water Absorption, 24hr	6	%	ASTM D 570
Density	1330	kg/m ³	ASTM D 792

Characteristics**Special Characteristics**

Flame retardant

Regional Availability

Europe