

NIRION F20

PC-GF20

Soredi S.p.a.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	10	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.0035	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Break	95	MPa	ASTM D 638
Flexural Modulus	5500	MPa	ASTM D 790
Flexural Strength	140	MPa	ASTM D 790
Rockwell Hardness	R 90	-	ASTM D 785
Izod Impact notched, 1/8 in	125	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	76.9	J/m	ASTM D 256
Temperature	-20	°C	-

Thermal properties	Value	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-1	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 264 psi	148	°C	ASTM D 648
Vicat Temperature	150	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	3.1	-	IEC 62631-2-1
Dissipation factor, 1MHz	90	E-4	IEC 62631-2-1
Volume resistivity	1E12	Ohm*m	IEC 62631-3-1
Surface resistivity	1E15	Ohm	IEC 62631-3-2
Electric strength	30	kV/mm	IEC 60243-1

Other properties	Value	Unit	Test Standard
Water absorption	0.3	%	Sim. to ISO 62
Humidity absorption	0.12	%	Sim. to ISO 62
Density	1350	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Regional Availability

Europe