

NIRION F10

PC-GF10

Soredi S.p.a.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	12	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.0035	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data	Value	Unit	Test Standard
Tensile Strength at Break	75	MPa	ASTM D 638
Flexural Modulus	3600	MPa	ASTM D 790
Flexural Strength	120	MPa	ASTM D 790
Rockwell Hardness	R 85	-	ASTM D 785
Izod Impact notched, 1/8 in	115	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	76.9	J/m	ASTM D 256
Temperature	-20	°C	-
Thermal properties			
ISO Data	Value	Unit	Test Standard
Coeff. of linear therm. expansion, normal	40	E-6/K	ISO 11359-1/-2
ASTM Data			
DTUL @ 264 psi	145	°C	ASTM D 648
Vicat Temperature	148	°C	ASTM D 1525
Electrical properties			
ISO Data	Value	Unit	Test Standard
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	1250	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Regional Availability

Europe