

XEBRID 21-C20-G30

PA12-(CF+GF)50

Xenia Srl

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	0.4	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	18500	MPa	ISO 527
Stress at break	165	MPa	ISO 527
Strain at break	2.6	%	ISO 527
Flexural modulus, 23°C	16000	MPa	ISO 178
Flexural strength	250	MPa	ISO 178
Izod impact strength, +23°C	56	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	17	kJ/m ²	ISO 180/1A
Izod notched impact strength Temperature	14 -30	kJ/m ² °C	ISO 180/1A -
Thermal properties			
ISO Data			
Temp. of deflection under load, 8.00 MPa	135	°C	ISO 75-1/-2
Vicat softening temperature, B	170	°C	ISO 306
Electrical properties			
ISO Data			
Volume resistivity	0.01	Ohm*m	IEC 62631-3-1
Surface resistivity	100	Ohm	IEC 62631-3-2
Other properties			
Density	1370	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80 - 100	°C	-
Pre-drying - Time	6 - 8	h	-
Melt temperature	250 - 265	°C	-
Mold temperature	105	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe