

XECARB® 1-C30-P20

(PA66+PTFE)-CF30

Xenia Srl

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	0.3	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	23500	MPa	ISO 527
Stress at break	210	MPa	ISO 527
Strain at break	1.6	%	ISO 527
Flexural modulus, 23°C	16500	MPa	ISO 178
Flexural strength	275	MPa	ISO 178
Izod impact strength, +23°C	40	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	7	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	250	°C	ISO 75-1/-2
Temp. of deflection under load, 8.00 MPa	220	°C	ISO 75-1/-2
Vicat softening temperature, A	255	°C	ISO 306
Vicat softening temperature, B	245	°C	ISO 306

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	0.01	Ohm*m	IEC 62631-3-1
Surface resistivity	500	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	1390	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 100	°C	-
Pre-drying - Time	6 - 8	h	-
Melt temperature	265 - 275	°C	-
Mold temperature	90	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe