

XECARB® 22-C30-P20

(PA612+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	21500	MPa	ISO 527
Stress at break	200	MPa	ISO 527
Strain at break	2.2	%	ISO 527
Flexural modulus, 23°C	18500	MPa	ISO 178
Flexural strength	300	MPa	ISO 178
Izod impact strength, +23°C	60	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	9	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	205	°C	ISO 75-1/-2
Temp. of deflection under load, 8.00 MPa	175	°C	ISO 75-1/-2
Vicat softening temperature, A	210	°C	ISO 306
Vicat softening temperature, B	205	°C	ISO 306

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	0.005	Ohm*m	IEC 62631-3-1
Surface resistivity	1000	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	1340	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	260 - 270	°C	-
Mold temperature	80 - 90	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe