

**Ubesta 3020 CX1**

PA12-X15

UBE

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	5	g/10min	ISO 1133
Temperature	235	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.4	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Yield stress	119	MPa	ISO 527
Strain at break	4	%	ISO 527
Flexural modulus, 23°C	7200	MPa	ISO 178
Charpy notched impact strength, +23°C	17	kJ/m <sup>2</sup>	ISO 179/1eA
Rockwell hardness	R 110	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	178	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	161	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	178	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	20	E-6/K	ISO 11359-1/-2

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	10000	Ohm*m	IEC 62631-3-1

Other properties	Value	Unit	Test Standard
Density	1080	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding

**Delivery form**

Black

**Additives**

Release agent

**Special Characteristics**

Heat stabilized or stable to heat

**Regional Availability**

Europe