

Ubesta 3020 LU1X3

PA12

UBE

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	18	g/10min	ISO 1133
Temperature	235	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	1.0	%	ISO 294-4, 2577
Molding shrinkage, normal	1.2	%	ISO 294-4, 2577
Mechanical properties			
Value	Unit	Test Standard	
ISO Data			
Yield stress	50	MPa	ISO 527
Yield strain	4	%	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	1700	MPa	ISO 178
Charpy notched impact strength, +23°C	4	kJ/m ²	ISO 179/1eA
Shore D hardness	77	-	ISO 7619-1
Rockwell hardness	R 105	-	ISO 2039-2
Thermal properties			
Value	Unit	Test Standard	
ISO Data			
Melting temperature, 10°C/min	178	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	50	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	115	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	130	E-6/K	ISO 11359-1/-2
Electrical properties			
Value	Unit	Test Standard	
ISO Data			
Volume resistivity	1E12	Ohm*m	IEC 62631-3-1
Other properties			
Value	Unit	Test Standard	
Density	1020	kg/m ³	ISO 1183

Characteristics**Processing**

Other Extrusion, Coating

Special Characteristics

Heat stabilized or stable to heat

Delivery form

Black

Regional Availability

North America, Europe