

Ubesta P3012 U

PA12

UBE

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	17	g/10min	ISO 1133
Temperature	190	°C	-
Load	1	kg	-
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577
Molding shrinkage, normal	0.9	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	47	MPa	ISO 527
Yield strain	5	%	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	1500	MPa	ISO 178
Charpy notched impact strength, +23°C	3	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	180	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	48	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	103	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	150	E-6/K	ISO 11359-1/-2

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1

Other properties	Value	Unit	Test Standard
Density	1020	kg/m ³	ISO 1183

Characteristics**Delivery form**

Powder, Natural Color

Regional Availability

Europe

Special Characteristics

Heat stabilized or stable to heat