

**Ubesta 3035 LU 1**

PA12

UBE

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	1	g/10min	ISO 1133
Temperature	235	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.7	%	ISO 294-4, 2577
Molding shrinkage, normal	1.5	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Melt Flow Index, MFI	1.3	g/10min	ASTM D 1238
Temperature	235	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Yield stress	50	MPa	ISO 527
Yield strain	4	%	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	1500	MPa	ISO 178
Charpy notched impact strength, +23°C	20	kJ/m <sup>2</sup>	ISO 179/1eA
Shore D hardness	79	-	ISO 7619-1
Rockwell hardness	R 107	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Strength at Yield	46	MPa	ASTM D 638
Tensile Strength at Break	56	MPa	ASTM D 638
Elongation at Break	250	%	ASTM D 638
Flexural Modulus	1590	MPa	ASTM D 790
Flexural Strength	61	MPa	ASTM D 790
Rockwell Hardness	R 112	-	ASTM D 785
Izod Impact notched, 1/8 in	86.5	J/m	ASTM D 256

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	45	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	105	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	120	E-6/K	ISO 11359-1/-2
<b>ASTM Data</b>			
DTUL @ 66 psi	149	°C	ASTM D 648
Melting Temperature	178	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	1E12	Ohm*m	IEC 62631-3-1

Other properties	Value	Unit	Test Standard
Density	1020	kg/m <sup>3</sup>	ISO 1183
Density	1020	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Other Extrusion, Coating

**Special Characteristics**

Heat stabilized or stable to heat

**Delivery form**

Black

**Regional Availability**

North America, Europe