

**Ubesta 3030 UFX1**

PA12

UBE

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	<b>3</b>	g/10min	ISO 1133
Temperature	<b>235</b>	°C	-
Load	<b>2.16</b>	kg	-
Molding shrinkage, parallel	<b>0.6</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>1.5</b>	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Yield stress	<b>45</b>	MPa	ISO 527
Yield strain	<b>5</b>	%	ISO 527
Strain at break	<b>&gt;50</b>	%	ISO 527
Flexural modulus, 23°C	<b>1400</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>17</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Shore D hardness	<b>78</b>	-	ISO 7619-1
Rockwell hardness	<b>R 105</b>	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>178</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>48</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>90</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	<b>130</b>	E-6/K	ISO 11359-1/-2

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

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

**Characteristics****Processing**

Pipe/Tube Extrusion

**Delivery form**

Natural Color

**Special Characteristics**

U.V. stabilized or stable to weather, Heat stabilized or stable to heat

**Regional Availability**

North America, Europe