

**TOTAL 10012**

PP

TotalEnergies

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	42	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	1600	MPa	ISO 527
Yield stress	34	MPa	ISO 527
Yield strain	9	%	ISO 527
Flexural modulus, 23°C	1500	MPa	ISO 178
Charpy notched impact strength, +23°C	4	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	3	kJ/m <sup>2</sup>	ISO 180/1A
Rockwell hardness	R 98	-	ISO 2039-2
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	165	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	56	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	105	°C	ISO 75-1/-2
Vicat softening temperature, A	152	°C	ISO 306
Vicat softening temperature, B	87	°C	ISO 306
<b>Other properties</b>			
Density	905	kg/m <sup>3</sup>	ISO 1183
Bulk density	525	kg/m <sup>3</sup>	-

**Characteristics****Processing**

Injection Molding

**Certifications**

Food contact

**Special Characteristics**

Anti-static

**Regional Availability**

Europe

**Features**

Nucleated, Homopolymer