

**TOTAL 6080**

PP

TotalEnergies

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	9	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	1450	MPa	ISO 527
Yield stress	30	MPa	ISO 527
Yield strain	10	%	ISO 527
Flexural modulus, 23°C	1350	MPa	ISO 178
Charpy notched impact strength, +23°C	5	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	4	kJ/m <sup>2</sup>	ISO 180/1A
Rockwell hardness	R 95	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	160	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	55	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	100	°C	ISO 75-1/-2
Vicat softening temperature, A	152	°C	ISO 306
Vicat softening temperature, B	87	°C	ISO 306

Optical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Haze	0.1	-	ISO 14782
<b>ASTM Data</b>			
Gloss	91	-	ASTM D 2457

Other properties	Value	Unit	Test Standard
Density	905	kg/m <sup>3</sup>	ISO 1183
Bulk density	525	kg/m <sup>3</sup>	-

Film Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Stress at yield, parallel	23	MPa	ISO 527-3
Stress at yield, normal	23	MPa	ISO 527-3
Stress at break, parallel	51	MPa	ISO 527-3
Stress at break, normal	42	MPa	ISO 527-3
Maximum strain, parallel	650	%	ISO 527-3
Maximum strain, normal	600	%	ISO 527-3
Dart drop A	270	g	ISO 7765-1
Type of extrusion	cast	-	-
Thickness of specimen	0.05	mm	-

**Characteristics****Processing**

Film Extrusion

**Special Characteristics**

Sterilizable

**Features**

Homopolymer

**Certifications**

Food contact

**Applications**

Packaging

**Regional Availability**

Europe