

**TOTAL 9089**

PP

TotalEnergies

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	25	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	1300	MPa	ISO 527
Yield stress	30	MPa	ISO 527
Yield strain	10	%	ISO 527
Flexural modulus, 23°C	1200	MPa	ISO 178
Charpy notched impact strength, +23°C	4	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	3.5	kJ/m <sup>2</sup>	ISO 180/1A
Rockwell hardness	R 92	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	165	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	52	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	95	°C	ISO 75-1/-2
Vicat softening temperature, A	148	°C	ISO 306
Vicat softening temperature, B	80	°C	ISO 306

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

**Characteristics****Processing**

Injection Molding, Fiber Extrusion, Other Extrusion

**Regional Availability**

Europe

**Features**

Gas Fading Resistance, Homopolymer