

**TOTAL 4640**

PP

TotalEnergies

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	3.5	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	1400	MPa	ISO 527
Yield stress	27	MPa	ISO 527
Yield strain	6	%	ISO 527
Flexural modulus, 23°C	1350	MPa	ISO 178
Charpy notched impact strength, +23°C	25	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	25	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	6	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	-20	°C	-
Rockwell hardness	R 86	-	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	53	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	95	°C	ISO 75-1/-2
Vicat softening temperature, A	140	°C	ISO 306
Vicat softening temperature, B	70	°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

**Features**

Creep Resistance, Nucleated, Copolymer

**Special Characteristics**

High impact or impact modified

**Regional Availability**

Europe