

**TECHNICAL DATA SHEET**

# TOTAL 9612

TotalEnergies

**Processing**

Injection molding

**Special Characteristics**

High impact or impact modified

**Features**

Creep resistance, Copolymer

**Certifications**

Food contact

**Applications**

Packaging

Processing/Physical Characteristics	Value	Unit	Standard
Melt flow index, MFI	20	g/10min	ISO 1133
Temperature	230	°C	
Load	2.16	kg	
Mechanical Properties	Value	Unit	Standard
Tensile modulus	1250	MPa	ISO 527
Yield stress	24	MPa	ISO 527
Yield strain	5	%	ISO 527
Poisson's ratio	0.35		ISO 527
Flexural modulus, 23°C	1200	MPa	ISO 178
Izod notched impact strength, +23°C	12	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	6.5	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	-20	°C	
Rockwell hardness	R 82		ISO 2039-2
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	165	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	48	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	90	°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	Standard
Density	905	kg/m <sup>3</sup>	ISO 1183

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Bulk density	525	kg/m <sup>3</sup>	