

TECHNICAL DATA SHEET

TOTAL 9081

TotalEnergies

Processing

Injection molding

High impact or impact modified

Features

Low warpage, Homopolymer

Special Characteristics

Processing/Physical Characteristics	Value	Unit	Standard
Melt flow index, MFI	25	g/10min	ISO 1133
Temperature	230	°C	
Load	2.16	kg	
Mechanical Properties	Value	Unit	Standard
Tensile modulus	1350	MPa	ISO 527
Yield stress	30	MPa	ISO 527
Yield strain	10	%	ISO 527
Poisson's ratio	0.35		ISO 527
Flexural modulus, 23°C	1250	MPa	ISO 178
Charpy notched impact strength, +23°C	4	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	3.5	kJ/m ²	ISO 180/1A
Rockwell hardness	R 92		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	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	Standard
Density	905	kg/m ³	ISO 1183
Bulk density	525	kg/m ³	