

TECHNICAL DATA SHEET

TOTAL 9220

TotalEnergies

Processing

Injection molding

Special Characteristics

Transparent

Features

Nucleated, Copolymer, Random copolymer

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	1000	MPa	ISO 527
Yield stress	20	MPa	ISO 527
Yield strain	10	%	ISO 527
Poisson's ratio	0.35		ISO 527
Flexural modulus, 23°C	900	MPa	ISO 178
Charpy notched impact strength, +23°C	8.5	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	6.5	kJ/m ²	ISO 180/1A
Rockwell hardness	R 82		ISO 2039-2
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	146	°C	ISO 11357-1/-3
Vicat softening temperature, A	130	°C	ISO 306
Vicat softening temperature, B	67	°C	ISO 306
Other Properties	Value	Unit	Standard
Density	902	kg/m ³	ISO 1183
Bulk density	525	kg/m ³	