

TECHNICAL DATA SHEET

TOTAL 12642

TotalEnergies

Processing

Injection molding

Special Characteristics

Anti-static

Features

Nucleated, Copolymer

Applications

Packaging

Processing/Physical Characteristics	Value	Unit	Standard
Melt flow index, MFI	70	g/10min	ISO 1133
Temperature	230	°C	
Load	2.16	kg	

Mechanical Properties	Value	Unit	Standard
Tensile modulus	1600	MPa	ISO 527
Yield stress	27	MPa	ISO 527
Yield strain	5	%	ISO 527
Poisson's ratio	0.35		ISO 527
Flexural modulus, 23°C	1500	MPa	ISO 178
Charpy notched impact strength, +23°C	6	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	6.5	kJ/m ²	ISO 180/1A
Izod notched impact strength	4	kJ/m ²	ISO 180/1A
Temperature	-20	°C	
Rockwell hardness	R 100		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	55	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	100	°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

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Bulk density	525	kg/m ³	