

TECHNICAL DATA SHEET

TOTAL 3645

TotalEnergies

Processing

Pipe/tube extrusion, Other extrusion

High impact or impact modified

Features

Creep resistance, Nucleated, Copolymer

Special Characteristics

Processing/Physical Characteristics	Value	Unit	Standard
Melt flow index, MFI	1.3	g/10min	ISO 1133
Temperature	230	°C	
Load	2.16	kg	
Mechanical Properties	Value	Unit	Standard
Tensile modulus	1500	MPa	ISO 527
Yield stress	29	MPa	ISO 527
Yield strain	6	%	ISO 527
Poisson's ratio	0.35		ISO 527
Flexural modulus, 23°C	1400	MPa	ISO 178
Charpy notched impact strength, +23°C	50	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	50	kJ/m ²	ISO 180/1A
Izod notched impact strength	9	kJ/m ²	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	54	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	92	°C	ISO 75-1/-2
Vicat softening temperature, A	151	°C	ISO 306
Vicat softening temperature, B	75	°C	ISO 306
Other Properties	Value	Unit	Standard
Density	905	kg/m ³	ISO 1183
Bulk density	525	kg/m ³	