

TECHNICAL DATA SHEET

TOTAL 1640

TotalEnergies

Processing

Pipe/tube extrusion, Sheet extrusion, Blow molding

Features

Nucleated, Copolymer

Special Characteristics

High impact or impact modified, Heat stabilized or stable to Packaging heat

Applications

Processing/Physical Characteristics	Value	Unit	Standard
Melt flow index, MFI	0.3	g/10min	ISO 1133
Temperature	230	°C	
Load	2.16	kg	
Mechanical Properties	Value	Unit	Standard
Tensile modulus	1340	MPa	ISO 527
Yield stress	28	MPa	ISO 527
Yield strain	9	%	ISO 527
Poisson's ratio	0.35		ISO 527
Flexural modulus, 23°C	1350	MPa	ISO 178
Charpy notched impact strength, +23°C	80	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	80	kJ/m ²	ISO 180/1A
Izod notched impact strength	8	kJ/m ²	ISO 180/1A
Temperature	-20	°C	
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	165	°C	ISO 11357-1/-3
Other Properties	Value	Unit	Standard
Density	905	kg/m ³	ISO 1183
Bulk density	525	kg/m ³	