

TECHNICAL DATA SHEET

TOTAL 6080

TotalEnergies

Processing

Film extrusion

Special Characteristics

Sterilizable

Features

Homopolymer

Certifications

Food contact

Applications

Packaging

Processing/Physical Characteristics	Value	Unit	Standard
Melt flow index, MFI	9	g/10min	ISO 1133
Temperature	230	°C	
Load	2.16	kg	
Mechanical Properties	Value	Unit	Standard
Tensile modulus	1450	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	1350	MPa	ISO 178
Charpy notched impact strength, +23°C	5	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	4	kJ/m ²	ISO 180/1A
Rockwell hardness	R 95		ISO 2039-2
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	160	°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	152	°C	ISO 306
Vicat softening temperature, B	87	°C	ISO 306
Optical Properties	Value	Unit	Standard
Haze	0.1		ISO 14782
Gloss	91		ASTM D 2457

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Other Properties	Value	Unit	Standard
Density	905	kg/m³	ISO 1183
Bulk density	525	kg/m³	
Film Properties	Value	Unit	Standard
Stress at yield, parallel	23	MPa	ISO 527-3
Stress at yield, normal	23	MPa	ISO 527-3
Stress at break, parallel	51	MPa	ISO 527-3
Stress at break, normal	42	MPa	ISO 527-3
Maximum strain, parallel	650	%	ISO 527-3
Maximum strain, normal	600	%	ISO 527-3
Dart drop A	270	g	ISO 7765-1
Type of extrusion	cast		
Thickness of specimen	0.05	mm	