

TOTAL 3221

PP

TotalEnergies

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	1.8	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Mechanical properties			
ISO Data			
Yield strain	15	%	ISO 527
Flexural modulus, 23°C	900	MPa	ISO 178
Izod notched impact strength, +23°C	22	kJ/m ²	ISO 180/1A
Izod notched impact strength	3.6	kJ/m ²	ISO 180/1A
Temperature	0	°C	-
Rockwell hardness	R 82	-	ISO 2039-2
Thermal properties			
ISO Data			
Vicat softening temperature, A	130	°C	ISO 306
Vicat softening temperature, B	67	°C	ISO 306
Optical properties			
ISO Data			
Haze	2.1	-	ISO 14782
ASTM Data			
Gloss	79	-	ASTM D 2457
Other properties			
Density	902	kg/m ³	ISO 1183
Bulk density	525	kg/m ³	-
Film Properties			
ISO Data			
Stress at yield, parallel	35	MPa	ISO 527-3
Stress at yield, normal	70	MPa	ISO 527-3
Maximum strain, parallel	500	%	ISO 527-3
Dart drop A	35	g	ISO 7765-1
Type of extrusion	blown	-	-
Thickness of specimen	0.04	mm	-

Characteristics**Processing**

Blown Film Extrusion, Film Extrusion, Sheet Extrusion, Blow Molding

Special Characteristics

High impact or impact modified

Features

Weldable, Copolymer, Random Copolymer

Certifications

Food contact

Applications

Packaging

Regional Availability

Europe