

LUMICENE® mPE M 1811 PCE

(PE-LLD+PPA)

TotalEnergies

Product Texts

Lumicene mPE M 1811 PCE is a metallocene based Linear Low Density Polyethylene with hexene as comonomer

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	1	g/10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	111	°C	ISO 11357-1/-3

Optical properties

	Value	Unit	Test Standard
ISO Data			
Haze	4.5	-	ISO 14782
ASTM Data			
Gloss	76	-	ASTM D 2457

Other properties

	Value	Unit	Test Standard
Density	918	kg/m ³	ISO 1183

Film Properties

	Value	Unit	Test Standard
ISO Data			
Stress at yield, parallel	10	MPa	ISO 527-3
Stress at yield, normal	10	MPa	ISO 527-3
Stress at break, parallel	68	MPa	ISO 527-3
Stress at break, normal	62	MPa	ISO 527-3
Maximum strain, parallel	670	%	ISO 527-3
Maximum strain, normal	700	%	ISO 527-3
Dart drop A	1200	g	ISO 7765-1
Type of extrusion	blown	-	-
Thickness of specimen	0.04	mm	-

Processing Recommendation Extrusion

	Value	Unit	Test Standard
Type of extrusion	blown	-	-
Melt temperature	180 - 230	°C	-

Characteristics**Processing**

Blown Film Extrusion, Film Extrusion

Chemical Resistance

Oxidation Resistance

Additives

Antiblocking agent

Certifications

Food contact

Special Characteristics

High impact or impact modified

Applications

Packaging

Features

Blending Resin, Heat Sealable

Regional Availability

Europe