

LUMICENE® mPE M 1810 EP

(PE-LLD+PPA)

TotalEnergies

Product Texts

Lumicene mPE M 1810 EP 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	110	°C	ISO 11357-1/-3

Optical properties

	Value	Unit	Test Standard
ISO Data			
Haze	3	-	ISO 14782
ASTM Data			
Gloss	80	-	ASTM D 2457

Other properties

	Value	Unit	Test Standard
Density	917	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

Certifications

Food contact

Special Characteristics

High impact or impact modified

Applications

Packaging

Features

Blending Resin, Heat Sealable

Regional Availability

Europe

Chemical Resistance

Oxidation Resistance