

**LUMICENE® mPE M 1820 EP**

(PE-LD+PPA)

TotalEnergies

**Product Texts**

Lumicene mPE M 1820 EP is a metallocene based Linear Low Density Polyethylene with hexene as comonomer

**Processing/Physical Characteristics**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	2	g/10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-

**Thermal properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	110	°C	ISO 11357-1/-3

**Optical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Haze	5.2	-	ISO 14782
<b>ASTM Data</b>			
Gloss	72	-	ASTM D 2457

**Other properties**

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

**Film Properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Stress at yield, parallel	10	MPa	ISO 527-3
Stress at yield, normal	10	MPa	ISO 527-3
Stress at break, parallel	59	MPa	ISO 527-3
Stress at break, normal	55	MPa	ISO 527-3
Maximum strain, parallel	644	%	ISO 527-3
Maximum strain, normal	705	%	ISO 527-3
Dart drop A	1000	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

**Features**

Heat Sealable, Low Gel

**Applications**

Packaging

**Chemical Resistance**

Oxidation Resistance

**Regional Availability**

Europe