

**LUMICENE® MR 2002**

PP

TotalEnergies

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	<b>15</b>	g/10min	ISO 1133
Temperature	<b>230</b>	°C	-
Load	<b>2.16</b>	kg	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Flexural modulus, 23°C	<b>1300</b>	MPa	ISO 178
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>151</b>	°C	ISO 11357-1/-3
<b>Optical properties</b>			
<b>ISO Data</b>			
Haze	<b>1.3</b>	-	ISO 14782
<b>ASTM Data</b>			
Gloss	<b>89</b>	-	ASTM D 2457
<b>Other properties</b>			
Density	<b>905</b>	kg/m <sup>3</sup>	ISO 1183
Bulk density	<b>525</b>	kg/m <sup>3</sup>	-
<b>Film Properties</b>			
<b>ISO Data</b>			
Stress at yield, parallel	<b>24</b>	MPa	ISO 527-3
Stress at yield, normal	<b>23</b>	MPa	ISO 527-3
Stress at break, parallel	<b>44</b>	MPa	ISO 527-3
Stress at break, normal	<b>33</b>	MPa	ISO 527-3
Maximum strain, parallel	<b>550</b>	%	ISO 527-3
Maximum strain, normal	<b>550</b>	%	ISO 527-3
Dart drop A	<b>320</b>	g	ISO 7765-1
Type of extrusion	<b>cast</b>	-	-
Thickness of specimen	<b>0.05</b>	mm	-

**Characteristics****Processing**

Film Extrusion

**Regional Availability**

Europe

**Features**

Gas Fading Resistance, Homopolymer