

**TECHNICAL DATA SHEET**

# LUMICENE® MR 2002

TotalEnergies

**Processing**

Film extrusion

**Features**

Gas fading resistance, Homopolymer

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