


**TotalEnergies**

Refining & Chemicals  
Polymers

## Polypropylene Lumicene® MR 2002

Technical data sheet  
Polypropylene – Metallocene Homopolymer  
Produced in Europe

### Description

Polypropylene Lumicene® MR 2002 is a metallocene homopolymer polypropylene for cast film.

The specific design of the metallocene grade Lumicene® MR 2002 provides an exceptional processability on cast film lines. Films made of Lumicene® MR 2002 display an outstanding set of properties, combining exceptional optics with a toughness above conventional homopolymer based cast films.

The extremely low extractable content is favorable for organoleptic properties.

### Characteristics

|                                  | Method   | Unit              | Typical Value |
|----------------------------------|----------|-------------------|---------------|
| <b>Rheological properties</b>    |          |                   |               |
| Melt Flow Index 230°C/2.16 kg    | ISO 1133 | g/10 min          | 15            |
| <b>Mechanical properties</b>     |          |                   |               |
| Flexural modulus                 | ISO 178  | MPa               | 1300          |
| <b>Thermal properties</b>        |          |                   |               |
| Melting Point                    | ISO 3146 | °C                | 152           |
| <b>Other physical properties</b> |          |                   |               |
| Density                          | ISO 1183 | g/cm <sup>3</sup> | 0.905         |
| Bulk Density                     | ISO 1183 | g/cm <sup>3</sup> | 0.525         |

### Handling and storage

Please refer to the safety data sheet (SDS) for handling and storage information. It is advisable to convert the product within one year after delivery provided storage conditions are used as given in the SDS of our product. SDS may be obtained from the website: [www.polymers.totalenergies.com](http://www.polymers.totalenergies.com).

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