



**TotalEnergies**

Refining & Chemicals  
Polymers

## Polyethylene Lumicene® M 5220

Technical data sheet  
Metallocene High Density Polyethylene  
Produced in Europe

### Description

Lumicene M 5220 is a high-density polyethylene with very good organoleptic properties, dimensional stability, stress-cracking resistance, rigidity and process-ability.

It is especially suited for the production of beverage caps & closures by injection or compression moulding, more specifically for carbonated drinks.

This grade does not contain a slip agent.

### Characteristics

Property	Method	Unit	Typical value (*)
Density	ISO 1183	kg/m <sup>3</sup>	952
Melt Flow Rate (190°C/2.16 kg)	ISO 1133/D	g/10 min	2.0
Tensile modulus	ISO 527	MPa	1000
Tensile strength at yield	ISO 527	MPa	25
Melting Point	ISO 11357-3	°C	131

(\*) Data not intended for specification purposes

### 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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