



TotalEnergies

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Polymers

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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 ³	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

Polyethylene