TotalEnergies

Refining & Chemicals
Polymers

Polyethylene Lumicene® M 5222

Technical data sheet
Metallocene High Density Polyethylene
Produced in Europe

Description

Lumicene® M 5222 is a second generation metallocene high density polyethylene showing outstanding organoleptic properties. It contains a slip agent to reduce the friction at application and opening of caps. Lumicene® M 5222 also presents very good dimensional stability, stress-cracking resistance, rigidity and processability.

It is especially suited for the production of beverage caps & closures by injection or compression moulding, more specifically for carbonated drinks. Other typical applications include caps & closures for cosmetics and general purpose injection-moulded articles

Characteristics

Property	Method	Unit	Typical value (*)
Density	ISO 1183	kg/m³	952
Melt Flow Rate (190°C/2.16 kg)	ISO 1133/D	g/10 min	1.7
Tensile modulus	ISO 527	MPa	1000
Tensile strength at yield	ISO 527	MPa	25
Melting temperature	ISO 11357	°C	131

(*) Values indicated are typical for this product. Density and MFR are routinely measured during the standard quality control procedure. The other figures are generated by tests not included in the standard quality control procedure, and are given for information only. Data are 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.

Polyethylene

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