

TOTAL Polyethylene Lumicene® M 5220 M

High Density Polyethylene
TOTAL Refining & Chemicals

Message:

Lumicene® M5220M is a second generation metallocene high density polyethylene with very good organoleptic properties, 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.
This grade contains a slip agent.

General Information	
Additive	Slip
Features	Good Dimensional Stability
	Good Organoleptic Properties
	Good Processability
	Good Stiffness
	High ESCR (Stress Crack Resist.)
	Slip
Uses	Caps
	Closures
	General Purpose
Agency Ratings	EC 1907/2006 (REACH)
Processing Method	Compression Molding
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1000	MPa	ISO 527-2
Tensile Stress (Yield)	25.0	MPa	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	131	°C	ISO 11357-3

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Recommended distributors for this material

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