

TOTAL Polyethylene Lumicene® M 5220

High Density Polyethylene
TOTAL Refining & Chemicals

Message:

Lumicene® mPE M5220 is a High Density Polyethylene with outstanding organoleptic properties, stress-cracking and process-ability.
Lumicene® mPE M5220 is especially suited for the production of packaging of sterilized milk by extrusion blow moulding or the production of beverage caps & closures by injection or compression moulding.
This grade does not contain a slip agent.

General Information	
Features	Good Organoleptic Properties
	Good Processability
	High ESCR (Stress Crack Resist.)
Uses	Caps
	Closures
	Food Packaging
	Packaging
Agency Ratings	EC 1907/2006 (REACH)
Processing Method	Compression Molding
	Extrusion Blow 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
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	10	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	131	°C	ISO 11357-3
Extrusion	Nominal Value	Unit	
Melt Temperature	< 250	°C	

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