

# TOTAL Polyethylene Lumicene® M 5220 (Blow Molding)

Metallocene 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.

General Information	
Features	Excellent Organoleptic Properties
	Excellent Processability
	High ESCR (Stress Cracking Resistance)
	High density
Uses	Beverage Containers
	Packaging
Agency Ratings	EC 1907/2006 (REACH)
RoHS Compliance	RoHS compliance
Forms	Particle
Processing Method	Blow molding
	Extrusion blow molding

Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (100% Antarox, F50)	> 200	hr	ASTM D1693B
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	10	kJ/m²	ISO 179
Extrusion	Nominal Value	Unit	
Melt Temperature	180	°C	

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Recommended distributors for this material

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