

Lumicene® mPE M 5220

High Density Polyethylene
TOTAL PETROCHEMICALS

Technical Data

Product Description

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

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English) • Technical Datasheet (English)		
Search for UL Yellow Card	• TOTAL PETROCHEMICALS		
Availability	• Asia Pacific	• Europe	
Features	• Good Organoleptic Properties	• Good Processability	• High ESCR (Stress Crack Resist.)
Uses	• Food Packaging	• Packaging	
Processing Method	• 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

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

Extrusion	Nominal Value Unit
Melt Temperature	< 250 °C

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.