

Description

Lumicene® mPE M 3509 is a metallocene-based medium density polyethylene (MDPE) combining the features of conventional blow molding polyethylene with differentiated optical properties such as gloss and contact clarity.

In combination with HDPE BM593 (physical blend), Lumicene® mPE M 3509 combines all the current requirements for the manufacture of blow molded packaging in the cosmetics and household liquids markets.

Lumicene® mPE M3509 is a pellet grade and contains antioxidants.

Characteristics

Property	Method	Unit	Typical value (*)
Density	ISO 1183	kg/m ³	935
Melt Flow Rate (190°C/2.16 kg)	ISO 1133/D	g/10 min	0.9
ESCR AntaroX 100%	ASTM D 1693B	h	F ₅₀ > 1000
Notched Charpy Impact Resistance 23°C	ISO 179-1	kJ/m ²	80

(*) Data not intended for specification purposes

Processing

Lumicene® mPE M 3509 is best processed between 160 and 200°C in mono layer applications and at temperature between 180 and 220°C in coextrusion with HDPE BM 593.