

Description

Lumicene mPE M4041 UV black is a new generation metallocene Medium Density Polyethylene (mMDPE) with hexene as comonomer.

Lumicene mPE M4041 UV black is intended for the manufacture of rotomoulded items.

Lumicene mPE M4041 UV black is a Specialty Compound available in pellets form.

Main Characteristics

Its specific molecular structure ensures:

- Superior mechanical properties
- Improved dimensional stability
- Easy processing

Application

Suitable for monolayer and multi-layer with foam technology.

Properties

Property	Method	Unit	Typical value (*)
Density (**)	ISO 1183	g/cm ³	0.940
Melt Flow Rate (190°C/2.16kg)	ISO 1133/D	g/10min	4.0
Melting Point	ISO 11357	°C	123
Tensile Strength @ yield	ISO 527-2	MPa	18
Elongation at break	ISO 527-2	%	> 700
Tensile modulus	ISO 527-1B	MPa	650

(*) Data not intended for specification purposes (**) Based on natural resin

Processing conditions

It is recommended to keep product dry prior use for production.