

Description

Lumicene® mPE M 3581 UV is a second generation metallocene medium density polyethylene (mMDPE) with hexene as comonomer.

Lumicene® mPE M 3581 UV is intended for the manufacture of rotomoulded items.

Its specific molecular structure ensures:

- Superior mechanical properties
- Outstanding optical properties (gloss)
- Improved dimensional stability
- Easy processing

Characteristics

Property	Method	Unit	Typical value (*)
Density	ISO 1183	g/cm ³	0.935
Melt Flow Rate (190°C/2.16kg)	ISO 1133/D	g/10min	6
Melt Flow Rate (190°C/21.6kg)	ISO 1133	g/10min	135
Vicat Softening Point	ISO 306	°C	121
Melting Point	ISO 11357	°C	123
Tensile Strength at yield	ISO 527-2	MPa	18
Tensile Strength at break	ISO 527-2	MPa	11
Elongation Strength at break	ISO 527-2	%	> 700
Flexural Modulus	ISO 178	MPa	700

(*) Data not intended for specification purposes