


TotalEnergies

Refining & Chemicals
Polymers

Polyethylene Lumicene® mPE M 3581 UV

Technical data sheet
Metallocene Polyethylene ROTOMOULDING
Produced in Europe

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

Handling and storage

Please refer to the safety data sheet (SDS) for handling and storage information. It is advisable to convert the product within one year after delivery provided storage conditions are used as given in the SDS of our product. SDS may be obtained from the website: www.polymers.totalenergies.com.

Polyethylene

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