



TotalEnergies

Refining & Chemicals
Polymers

Polyethylene Lumicene® mPE M 4041 UV

Technical data sheet
Metallocene Polyethylene ROTOMOULDING
Produced in Europe

Description

Lumicene® mPE M 4041 UV is a new generation metallocene medium density polyethylene (mMDPE) with hexene as comonomer.

Lumicene® mPE M 4041 UV is intended for the manufacture of large rotomoulded items.

Lumicene® mPE M 4041 UV is a natural grade available in pellets form.

Characteristics

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
Melting Point	ISO 11357	°C	126
Tensile Strength at yield	ISO 527-2	MPa	21
Tensile Strength at break	ISO 527-2	MPa	21
Elongation Strength at yield	ISO 527-2	%	11
Elongation Strength at break	ISO 527-2	%	800
Flexural Modulus	ISO 178	MPa	730

(*) 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.

Information contained in this publication is true and accurate at the time of publication and to the best of our knowledge. The nominal values stated herein are obtained using laboratory test specimens. These are typical values not to be construed as specification limits. Before using one of the products mentioned herein, customers and other users should take all care in determining the suitability of such product for the intended use. Unless specifically indicated, the products mentioned herein are not suitable for applications in the pharmaceutical or medical sector. The Companies within TotalEnergies Petrochemicals do not accept any liability whatsoever arising from the use of this information or the use, application or processing of any product described herein. No information contained in this publication can be considered as a suggestion to infringe patents. The Companies disclaim any liability that may be claimed for infringement or alleged infringement of patents.

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Polyethylene

