



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.

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