

Description

Lumicene® mPE M3421UV is a new generation metallocene Medium Density Polyethylene (mMDPE) with hexene as comonomer.

Lumicene® mPE M3421UV is intended for the manufacture of rotomoulded items and available in natural or in colour, in pellets or in powder (under brandname Lumicene® mPE M3423UV).

Main Characteristics

Its specific molecular structure ensures:

- ✓ Superior mechanical properties
- ✓ Improved dimensional stability
- ✓ Easy processing
- ✓ Low sagging
- ✓ UV-protected

Application

Suitable for monolayer and multi-layer with foam technology.

Properties

Property	Method	Unit	Typical value (*)
Density (**)	ISO 1183	g/cm ³	0.934
Melt Flow Rate (190°C-2.16kg)	ISO 1133/D	g/10min	2.7
Melting Temperature	ISO 11357	°C	122
Vicat Softening Point (Method A50)	ISO 306	°C	118
Heat Deflection Temperature (Method B)	ISO 75	°C	73
Tensile modulus	ISO 527	MPa	590
Tensile strength @yield	ISO 527	MPa	18
ESCR (10% Igpal)	ASTM D1693	h (F50)	> 1000

(*) Data not intended for specification purposes

(**) Based on natural resin

Processing conditions

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

Handling and storage

Please refer to the material safety data sheet (MSDS) 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 MSDS of our product.

MSDS may be obtained from the website: <http://www.polymers.total.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. 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 Total Refining & Chemicals 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.