

## Description

Lumicene mPE M3583 UV black is a new generation metallocene Medium Density Polyethylene (mMDPE) with hexene as comonomer.

Lumicene mPE M3583 UV black is intended for the manufacture of rotomoulded items.

Lumicene mPE M3583 UV is a black Specialty Compound available in powder form.

## Main Characteristics

Its specific molecular structure ensures:

- Superior mechanical properties
- Improved dimensional stability
- Easy processing

## Application

Suitable for monolayer and multi-layer with foam technology.

## Properties

| Property                         | Method     | Unit              | Typical value (*) |
|----------------------------------|------------|-------------------|-------------------|
| Density (**)                     | ISO 1183   | g/cm <sup>3</sup> | 0.935             |
| Melt Flow Rate<br>(190°C/2.16kg) | ISO 1133/D | g/10min           | 6.0               |
| Melting Point                    | ISO 11357  | °C                | 123               |
| Tensile Strength @ yield         | ISO 527-2  | MPa               | 18                |
| Elongation at break              | ISO 527-2  | %                 | > 700             |
| Tensile modulus                  | ISO 527-1B | MPa               | 700               |

(\*) 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: [www.totalrefiningchemicals.com](http://www.totalrefiningchemicals.com)

