

POLYETHYLENE mPE M 3583 UV

Technical data sheet
metallocene Medium and High Density Polyethylene
ROTOMOULDING

DESCRIPTION >>

mPE M 3583 UV is a second generation metallocene medium density polyethylene (mMDPE) with hexene as comonomer.

mPE M 3583 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

mPE M 3583 UV is a natural grade available in powder form.

CHARACTERISTICS >>

Property	Method	Unit	Value
Density	ISO 1183	g/cm ³	0.934
Melt index2.16 kg	ISO 1133	dg/min	8
Vicat Softening Point	ISO 306	°C	121
Melting Point	ISO 11357-3	°C	123
Tensile Strength	ISO 527	MPa	
at yield (50 mm/min)			18
at break (50 mm/min)			11
Elongationat break (50 mm/min)	ISO 527	%	> 700
Flexural Modulus	ISO 178	MPa	700

FOOD APPROVAL >>

mPE M 3583 UV is formulated to comply with most requirements of the food packaging regulations.

DISCLAIMER

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 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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