



TotalEnergies

Refining & Chemicals
Polymers

Polyethylene Lumicene® mPE M 1810 AP

Technical data sheet
Metallocene Polyethylene BLOWN FILM
Produced in Europe

Description

Lumicene® mPE M 1810 AP is a metallocene based Linear Low Density Polyethylene with hexene as comonomer.

Lumicene® mPE M 1810 AP can be processed at high output rates with low extrusion pressure, excellent bubble stability and gauge control in comparison with conventional LLDPE and other metallocene based polyethylene.

Lumicene® mPE M 1810 AP is especially dedicated to film applications where excellent optical properties in combination with outstanding impact resistance (even at low temperature) and sealing strength are required, particularly in blend and coextrusion with LLDPE or LDPE.

Lumicene® mPE M 1810 AP is suited for many applications in the field of consumer, industrial, food or hygiene packaging such as bags, deep freeze, stretch hood and lamination.

Lumicene® mPE M 1810 AP does not contain any Polymer Processing Aid based on Perfluoroalkyl Substance (PFAS)

Characteristics

Property	Method	Unit	Typical value
Density	ISO 1183	g/cm ³	0.917
Melt Flow Rate (190°C/2.16 kg)	ISO 1133	g/10 min	1.0
Melting temperature	ISO 11357	°C	110
Vicat temperature	ISO 306	°C	105

Values indicated are typical for this product. Density and MFR are properties routinely measured during "the standard quality control procedure". The other figures are generated by tests not included in the "standard quality control procedure", and are given for information only. Data are not intended for specification purposes.

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





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