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Polyethylene Lumicene® mPE M 2735

Technical data sheet
Metallocene Polyethylene CAST FILM
Produced in Europe

Description

Lumicene® mPE M 2735 is a Lumicene® metallocene based Polyethylene with hexene as comonomer.

Lumicene® mPE M 2735 can be processed at high output rates with low extrusion pressure, low neck-in, excellent drawability and good gauge control. Together with these features, Lumicene® M 2735 ensures films with outstanding optical properties and excellent impact and tear resistance.

Lumicene® mPE M 2735 is suited for many applications in the field of cast film, stretch wrap film (low cling), hygiene film (f.e. diaper backsheet), lamination and artificial grass.

Characteristics

Property	Method	Unit	Typical value
Density	ISO 1183	g/cm³	0.927
Melt Flow Rate (190°C/2.16 kg)	ISO 1133	g/10 min	3.5
Melting temperature	ISO 11357	°C	119
Vicat temperature	ISO 306	°C	118

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.

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Cast film properties

These values have been measured on a 20 µm cast film..

Property	Method	Unit	Typical value
Tensile Strength at Yield MD/TD (**)	ISO 527-3	MPa	9 / 9
Tensile Strength at Break MD/TD (**)	ISO 527-3	MPa	39 / 24
Elongation at Break MD/TD (**)	ISO 527-3	%	470 / 530
Elmendorf MD/TD (**)	ISO 6383-2	N/mm	50 / 120
Dart test	ISO 7765-1	g	100
Haze	ISO 14782	%	1.3
Gloss 45°	ASTM D2457		89

(*) Figures stated hereabove are obtained using laboratory test specimens produced at the following extrusion conditions: die gap = 250 µm, chill roll temperature = 20°C, throughput = 7 kg/h, melt temperature = 260 °C

(**) MD : Machine Direction, TD : Transverse Direction

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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