Industrial chemicals

Low-density polyethylene (LDPE)

Polyolefin for flexible films and coatings

LDPE



Material illustration

Technical characteristics

Low-density polyethylene (LDPE) is a flexible thermoplastic for film, coatings and flexible articles. Its branched structure influences melt behaviour during conversion.

Property	Reference value	Method or source
Designation	**LDPE**	Plastics Europe · Polyolefins
Melt mass-flow rate	**ISO 1133-1**	ISO 1133-1:2022
Density	**ISO 1183-1**	ISO 1183-1
MFR / MVR	**g/10 min / cm³/10 min**	ISO 1133-1:2022

Melt mass-flow rate is reported in g/10 min with temperature and load under ISO 1133-1. Depending on the article, compare density, film haze, seal strength and shrinkage at the stated thickness.



Applications

For packaging film, shrink film and extrusion coating of paper or board. Blown film requires bubble stability, while coating requires an even thin layer on the substrate.



Packaging and receipt

Pellets can be supplied in sealed bags on pallets or in bulk bags by arrangement. Clean lots free of foreign matter are important for automatic feeding. Resin form and net weight are stated in the offer.

For acceptance, check the agreed specification and the certificate of analysis (COA) for the delivered lot.