Industrial chemicals

Linear low-density polyethylene (LLDPE)

Polyolefin for tough, flexible films

LLDPE



Material illustration

Technical characteristics

Linear low-density polyethylene (LLDPE) is used in flexible films where extensibility and puncture resistance matter. Formulation and conversion route determine the finished film's performance.

Property	Reference value	Method or source
Designation	**LLDPE**	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

Compare density and melt flow under the same test conditions. For film compare tensile and tear properties in machine and transverse directions, dart impact and puncture resistance at the stated gauge.



Applications

For stretch wrap, liners, multilayer packaging and agricultural films. Blown and cast film routes require resin selection for the line, target gauge and mechanical loading in use.



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.