

Cleanroom Poly Bags

Low Density Polyethylene Resin

Melt Index: 2
Density: 0.925

Polyethylene Low Density Polyethylene Resin is high clarity resin designed for clarity over wrap applications.

This resin does contain erucamide slip and antiblock additives. It can be readily extruded using conventional blown film techniques utilising melt temperatures between 160 and 175 °C.

This resin when properly fabricated exhibits:

- Excellent process ability and draw down.
- Outstanding toughness and impact properties.
- Superior optical properties.
- Excellent tensile and tear strength.

Note:

Polyethylene Low Density Polyethylene Resin should comply with FDA regulation 177.1520 and with most European food contact regulations when used unmodified and processed according to good manufacturing practices for food contact applications.

Applications:

- Light – produce bags.
- Soft goods packaging.
- Textile packaging.
- Good optical general purpose bags.
- Hygiene films.
- Food packaging films.

Physical Properties	Unit		Test Method	Values
Melt Index, 190°C/2.16kg	g/10 min		ISO 1133	2
Density	g/cm ³		ASTM D-792	0.925
Vicat Softening Point	°C		ISO 306 (Method A)	96
Film Properties, 50um thickness	Unit		Test Method	Values
Dart Impact	g		ASTM D-1709 (Method A)	110
Elmendorf Tear	g	MD CD	ASTM D-1922	450 350
Tensile Yield	MPa	MD CD	ASTM D-882	10 11
Ultimate Tensile	MPa	MD CD	ASTM D-882	22 20
Ultimate Elongation	%	MD CD	ASTM D-882	450 650
Tensile Modulus, 2% Secant	MPa	MD CD	ASTM D-882	190 210
Optical Properties Gloss 20° Haze	Units %		ASTM D-2457 ASTM D-1003	60 8
Coefficient of Friction			ASTM D-1894	0.15 – 0.20

Dimensions

- Bag Size: 26" x 44"

Product available Gamma Irradiated:

- Sterile Packaging: 10 bags to pack 10 packs to a case.
- Non-Sterile: 100 bags per pack, 10 packs to a case
- Gamma Irradiated, 25.0kGy – 40kGy – routine processing is 30.1 – 38.8 kGy
- Thickness : 62.5