



DOW LDPE 150E

Low Density Polyethylene Resin

DOW LDPE™ 150E Low Density Polyethylene Resin can be readily extruded using conventional blown film techniques utilising melt temperatures between 170 and 230 °C. DOW LDPE 150E Low Density Polyethylene Resin, when properly fabricated, shows a good combination of processability, stiffness and physical properties.

Note: DOW LDPE 150E Low Density Polyethylene Resin should comply with:

Europe EU-Directive 2002/72/EC (See NOTES)

U.S. FDA 21 CFR 177.1520(c)2.2

U.S. FDA-DMF

Consult the regulations for complete details

Applications:

- Heavy duty industrial film

Physical Properties ⁽¹⁾	Unit	Test Method	Values
Melt Index, 190 °C/2.16 kg	g/10 min	ISO 1133	0.25
Density	g/cm ³	ASTM D-792	0.921
Vicat Softening Point	°C	ASTM D-1525	96
Film Properties ^(1,2)	Unit	Test Method	Values 100µm thickness
Dart Impact, Method A	g	ISO 7765-1	425
Elmendorf Tear	g	MD	270
		CD	475
Tensile Yield	MPa	MD	9.2
		CD	7.6
Ultimate Tensile	MPa	MD	21.0
		CD	20.5
Ultimate Elongation	%	MD	470
		CD	530
Tensile Modulus, 2% Secant	MPa	MD	128
		CD	128

(1) Typical values; not to be construed as specification limits.

(2) Blow-up ratio 1:2.5.

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- use as a critical component in medical devices that support or sustain human life; or
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