



DOW LDPE 515E

Low Density Polyethylene Resin

DOW LDPE 515E Low Density Polyethylene Resin is a 3.2 melt index, medium density LDPE resin for the high-speed tissue overwrap market offering a good balance between optical properties such as gloss and haze, stiffness and low COF. This product contains slip and antiblock additives.

Note: DOW LDPE 515E Low Density Polyethylene Resin should comply with FDA regulation 177.1520(c)2.2 and with most European food contact regulations when used unmodified and processed according to good manufacturing practices for food contact applications. Please, contact your nearest Dow office for food contact compliance statements. The purchaser remains responsible for determining whether the use complies with all relevant regulations.

Applications:

- Packaging of soft products such as hand tissues, toilet tissues, feminine hygiene products.
- High clarity tissues overwrap.

Physical Properties	Unit		Test Method	Values
Melt Index, 190 °C/2.16 kg	g/10 min		ISO 1133	3.2
Density	g/cm ³		ASTM D-792	0.931
Film Properties ⁽¹⁾	Unit		Test Method	Values
Dart Impact (Method A)	g		ISO 7765-1	121
Elmendorf Tear	g	MD	ASTM D-1922	133
		CD		185
Tensile Yield	MPa	MD	ISO 527-3	15.3
		CD		15.1
Ultimate Tensile	MPa	MD	ISO 527-3	17.5
		CD		15.2
Ultimate Elongation	%	MD	ISO 527-3	295
		CD		70
Toughness	J/cm ³		ISO 527-3	47
Optical Properties				
Gloss 45°	°		ASTM D-2457	71
Haze	%		ISO 14782	7

(1) Film properties were measured on a 30micron blown film.

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- use in cardiac prosthetic devices regardless of the length of time involved; (Cardiac prosthetic devices include, but are not limited to, pacemaker leads and devices, artificial hearts, heart valves, intra-aortic balloons and control systems, and ventricular bypass assisted devices);
- use as a critical component in medical devices that support or sustain human life; or
- use specifically by pregnant women or in applications designed specifically to promote or interfere with human reproduction.

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