

LLDPE**LLDPE 222WT****LINEAR LOW DENSITY POLYETHYLENE (LLDPE)**

An ethylene-butene copolymer linear low-density polyethylene (LLDPE) grade engineered for blown-film extrusion. The resin delivers superior film mechanical properties, including stiffness, puncture resistance, and tensile strength, together with excellent heat-sealing performance. It is compounded with high levels of slip and antiblock additives for reliable film handling.

Typical Application

- Cloth bags
- Carrier bags
- Thin-layer coating
- Refuse bags
- Meat packaging and other food packaging
- Lamination film
- General-purpose consumer packaging

Product Characteristics

- High slip and high antiblock additive package
- Superior film stiffness, puncture resistance, and tensile strength
- Excellent heat-sealing performance

Film Properties

Properties	Test Method	Typical Value	Unit
Dart Impact F50	ASTM D1709	112	g

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate (190°C/2.16kg)	ASTM D1238	1.9	g/10 min
Density (23°C)	ASTM D1505	0.922	g/cm ³
Tensile Stress at Yield (MD)	ASTM D882	10	MPa
Tensile Stress at Yield (TD)	ASTM D882	10	MPa
Tensile Stress at Break (MD)	ASTM D882	31	MPa
Tensile Stress at Break (TD)	ASTM D882	23	MPa
Elongation at Break (MD)	ASTM D882	450	%
Elongation at Break (TD)	ASTM D882	600	%
Gloss (45°)	ASTM D2457	50	-
Haze	ASTM D1003	16	%

Processing Guidelines

Typical processing conditions: barrel temperature 190-220°C; blow-up ratio 2.0-3.0.

1. Properties were measured on 30 µm film produced at a blow-up ratio of 2.0 using 100% resin.

2. The nominal properties reported herein are typical of the product and do not reflect normal testing variance; they should not be used for specification purposes.