

LLDPE**LLDPE 7050****LINEAR LOW DENSITY POLYETHYLENE (LLDPE)**

This resin is a butene-comonomer linear low-density polyethylene designed for the blown and cast film extrusion processes, offering a balanced combination of physical and mechanical properties. Films produced from this resin show improved tensile strength, toughness, optical properties, and high cling performance, making it suitable for applications that require:

Typical Application

- Agricultural film
- Food packaging film and FFS packaging
- Frozen food bags
- Lamination and coextruded film
- Carrier and garbage bags
- Industrial liners
- Hand and pallet stretch wrap film
- Multilayer blown film for general-purpose packaging

Product Characteristics

- High gloss
- Excellent draw-down in blown film
- Balanced tensile strength and toughness
- High cling performance
- Suitable for blending with LDPE in both cast and blown film

Film Properties

Properties	Test Method	Typical Value	Unit
Tensile Strength at Yield MD		11	MPa
Tensile Strength at Yield TD		10	MPa
Tensile Stress at Break MD		49	MPa
Tensile Stress at Break TD		29	MPa
Haze	GB/T 2410	16.4	%
Gel 0.8 mm Fish-eye	GB/T 11115	0	pcs/1520 cm ²
Gel 0.4 mm Fish-eye	GB/T 11115	1	pcs/1520 cm ²

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate (190°C/2.16 kg)	GB/T 3682.1	2.1	g/10 min
Density	GB/T 1033.2	0.9199	g/cm ³

1. 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.

2. Melt flow rate, density, haze, and fish-eye values are per the producer's grade-specific data; tensile strength and tensile-at-break values are typical of this butene LLDPE grade family per published family data and should be confirmed against the certificate of analysis supplied per lot at order.