

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

7050 is a butene-comonomer linear low-density polyethylene (LLDPE) manufactured by a gas-phase process and formulated with slip and anti-block additives for blown- and cast-film conversion. The grade is engineered for a stable balance of tensile strength, flexibility, and processability, giving smooth extrusion, consistent bubble stability, and reliable film handling on standard film lines.

Typical Application

- Agricultural and mulch film
- General-purpose packaging film
- Garbage bags and liner bags
- Bag-in-box and food packaging films
- Container linings
- Coatings and small-caliber agricultural drainage pipe

Product Characteristics

- Very good processability with optimized rheology for smooth extrusion and stable bubble formation
- High tensile stress for durable film applications
- Built-in slip and anti-block additives for enhanced handling and convertibility
- Balanced haze for general packaging optical requirements
- Good resistance to acids, alkalis, and organic solvents
- Good aging resistance

Film Properties

Properties	Test Method	Typical Value	Unit
Haze	GB/T 2410	18	%
Dart Drop Impact Strength	GB/T 9639.1	55	g

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate (190°C/2.16kg)	GB/T 3682.1	2.0	g/10 min
Density	GB/T 1033.2	0.919	g/cm ³
Tensile Stress at Yield	GB/T 1040.2	≥8	MPa
Tensile Stress at Break	GB/T 1040.2	≥12	MPa
Nominal Tensile Strain at Break	GB/T 1040.2	400	%

1. A producer-issued technical data sheet specific to this grade code was not located; the property table above is typical data for the equivalent-family blown-film grade published by a regional producer using the same commercial grade code and matching melt flow rate, and should be read alongside the site's own verified offer-sheet values.

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.