

HDPE**HDPE HD55110****HIGH DENSITY POLYETHYLENE (HDPE)**

This high-density polyethylene grade is a film-extrusion resin developed for thin-film processing. It combines high mechanical strength with good stiffness and heat sealability, making it suitable for producing general-purpose packaging film across a wide range of gauges.

Typical Application

- Blown-film extrusion for shopping and product bags
- T-shirt bags
- Garbage bags
- Re-sealable and general packaging film

Product Characteristics

- High mechanical strength
- Good stiffness
- Good heat sealability
- Suitable for high-speed thin-film processing

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate (190°C/5kg)		0.24	g/10 min
Melt Index (190°C/21.6kg)	GB/T 3682.1	10	g/10 min
Density (23°C)	GB/T 1033.2	0.955	g/cm ³
Tensile Stress at Yield (typical)		28	MPa
Tensile Stress at Yield (minimum)	GB/T 1040.2	≥20	MPa
Elongation at Break (typical)		650	%
Elongation at Break (minimum)	GB/T 1040.2	>400	%

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. Typical values per the producer's published family data; grade-specific certificate of analysis supplied per lot at order.

3. Minimum-spec values and the 21.6 kg melt index reading are drawn from a separate per-grade data sheet for this same product; they are consistent with (rather than duplicative of) the family-brochure typical values.