

1. Product Overview & Applications

BOPP High Barrier Film is a biaxially oriented polypropylene film designed for high-performance packaging applications. It offers excellent barrier properties against oxygen and moisture, ensuring extended shelf life for packaged products. The film is widely used in food packaging, pharmaceuticals, personal care, and industrial applications due to its superior mechanical strength, printability, and environmental sustainability.

- Food Packaging: Ideal for snacks, dry food, fresh and frozen products.
- Pharmaceuticals: Protects tablets, capsules, and medical devices from moisture and contamination.
- Personal Care: Used in pouches and sachets for cosmetics, skincare, and hygiene products.
- Industrial & Electronics: Shields sensitive components from moisture and environmental damage.

2. Technical Specifications

Property	Unit	BOPP High Barrier Film
Thickness	μm	30 ±3
Basis Weight	g/m²	50 ±3
Barrier Properties (Oxygen)	cc/m²/day	≤ 1.0
Barrier Properties (Moisture)	g/m²/day	≤ 0.5
Gloss	%	≥ 80
Transparency	%	≥ 90
Tensile Strength	MPa	≥ 80
Elongation	%	≥ 150
Heat Seal Strength	N/15mm	≥ 8
Surface Energy	mN/m	≥ 38

3. Additional Features

- High Barrier Performance: Excellent resistance to moisture, oxygen, and gas transmission..
- Enhanced Shelf Life: Preserves product freshness by preventing oxidation and contamination.
- Excellent Mechanical Properties: High tensile strength and dimensional stability.
- Eco-friendly: Recyclable and compliant with food safety regulations.
- Good Printability: Suitable for various printing and lamination applications.

4. Storage & Handling

- Store in a cool, dry environment at 10-25° C, 40-60% relative humidity.
- Avoid direct sunlight and extreme temperature fluctuations.
- Handle with care to prevent surface damage or deformation.

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