

1. Product Overview & Applications

Metallized and Holographic Film is a high-performance decorative and functional film with a metallic or holographic finish. It enhances packaging and labeling aesthetics while providing excellent barrier properties against moisture, oxygen, and light. These films are widely used for food packaging, security applications, gift wrapping, and branding materials.

- Luxury Packaging: Ideal for premium product wrapping and high-end branding.
- Food & Beverage Labels: Enhances shelf appeal and brand recognition.
- Security & Authentication: Used for tamper-proof and counterfeit prevention applications.
- Gift Wrapping & Decorative Uses: Provides an eye-catching, reflective effect for premium packaging.

2. Technical Specifications

Property	Unit	Typical Value
Basis Weight	g/m²	20 - 60 ± 2
Thickness	µm	12 - 50 ± 3
Metal Layer Thickness	nm	30 - 50
Tensile Strength (MD/TD)	MPa	≥ 120 / 200
Elongation at Break (MD/TD)	%	≤ 200 / 80
Surface Tension	mN/m	≥ 38
Opacity	%	≥ 85
Gloss (75°)	GU	≥ 75
Heat Resistance	°C	Up to 180
Holographic Pattern Options	-	Customizable

3. Additional Features

- High Gloss & Visual Appeal: Enhances packaging aesthetics with a reflective or holographic effect.
- Excellent Barrier Properties: Provides protection against moisture, oxygen, and UV light.
- Superior Mechanical Strength: Ensures durability and resistance to tearing.
- Tamper-Proof & Anti-Counterfeit: Ideal for security applications and branding protection.

4. Storage & Handling

- Store in a cool, dry environment at 10-25°C, 40-60% relative humidity.
- Avoid direct sunlight and extreme temperature fluctuations.
- Eco-Friendly & Recyclable: Supports sustainability initiatives.

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