

# BOPP Injection Molding Films Technical Specification

Code : HYNIML3570  
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## 1. Product Overview & Applications

BOPP Injection Molding Films are designed for high-performance in-mold labeling applications and are available in four finishes:

- **Transparent:** Provides a high-gloss, ultra-clear finish for a no-label look.
- **Metallized:** Features a vacuum metallized aluminum coating for barrier protection and premium appearance.
- **Solid White:** High-opacity white finish for bold, high-contrast printing.
- **Orange Peel:** Textured surface for a unique aesthetic and enhanced scuff resistance.

These films provide excellent moldability, heat resistance, and compatibility with high-speed injection molding processes. They are widely used in rigid container branding for food, beverage, cosmetics, and household products.

## 2. Technical Specifications

Category	Property	Unit	Transparent	Metallized	Solid White	Orange Peel
Physical	Density	g/cm3	0.91	0.91	0.91	0.65
	Thickness	um	35-70 +/-2	35-70 +/-2	35-70 +/-2	35-70 +/-2
Optical	Gloss (45 deg)	GU	>= 90	>= 90	>= 90	>= 85
	Opacity	%	>= 92	>= 94	>= 96	>= 90
Mechanical	Tensile Strength (MD/TD)	MPa	>= 100/200	>= 100/200	>= 100/200	>= 100/200
	Elongation at Break (MD/TD)	%	<= 180/50	<= 180/50	<= 180/50	<= 180/50
Surface	Surface Tension	mN/m	>= 38	>= 38	>= 38	>= 38
Thermal	Heat Resistance	C	Up to 130	Up to 130	Up to 130	Up to 130

## 3. Storage & Handling

- Store in a cool, dry environment (Temperature: 10-25°C, Humidity: 40-60%).
- Avoid direct sunlight and drastic temperature fluctuations to prevent film deformation.
- Keep in a dry, ventilated area to avoid moisture affecting label adhesion.
- Handle with care to prevent surface scratches or contamination.

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