



## 1. Product Overview & Applications

PET Clear Film is a high-quality polyester film known for its exceptional transparency, high tensile strength, and excellent barrier properties. It is widely used in flexible packaging, printing, lamination, and industrial applications. PET Clear Film provides superior clarity, chemical resistance, and heat stability, making it a versatile material for various industries.

- Flexible Packaging: Ideal for food, pharmaceutical, and industrial packaging.
- Printing & Lamination: Ensures excellent ink adhesion and high-quality print results.
- Electronics & Industrial Uses: Used for protective layers, insulation, and release liners.
- Labels & Overlays: Provides a transparent and durable surface for branding and protection.

## 2. Technical Specifications

Property	Unit	Typical Value
Basis Weight	g/m <sup>2</sup>	25 - 75 ± 2
Thickness	μm	12 - 100 ± 3
Tensile Strength (MD/TD)	MPa	≥ 150 / 200
Elongation at Break (MD/TD)	%	≤ 180 / 90
Surface Tension	mN/m	≥ 42
Transparency	%	≥ 90
Moisture Barrier (WVTR)	g/m <sup>2</sup> ·day	≤ 2.0
Oxygen Barrier (OTR)	cc/m <sup>2</sup> ·day	≤ 5.0
Heat Resistance	°C	Up to 200
Chemical Resistance	-	Excellent

## 3. Additional Features

- Superior Transparency: Provides exceptional optical clarity for high-end applications.
- High Tensile Strength: Ensures durability and mechanical stability.
- Excellent Chemical & Heat Resistance: Performs well in demanding environments.
- Moisture & Oxygen Barrier: Enhances product protection and shelf life.
- Eco-Friendly & Recyclable: Supports sustainable packaging solutions.

## 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.