

1. Product Overview & Applications

PETG Film is a high-performance thermoplastic polyester film known for its excellent transparency, impact resistance, and thermoformability. It is widely used in packaging, printing, labeling, and industrial applications due to its superior durability and chemical resistance. PETG Film is also fully recyclable, making it an environmentally friendly choice for various industries.

- Flexible & Rigid Packaging: Used in food, cosmetics, and medical packaging.
- Printing & Graphics: Ensures high-quality printing for advertising and branding.
- Shrink Labels & Sleeves: Provides excellent shrink properties for contoured packaging.
- Industrial & Medical Uses: Ideal for protective films, insulation layers, and medical-grade applications.

2. Technical Specifications

Property	Unit	Typical Value
Basis Weight	g/m²	30 - 100 ± 2
Thickness	µm	20 - 150 ± 3
Tensile Strength (MD/TD)	MPa	≥ 140 / 200
Elongation at Break (MD/TD)	%	≤ 250 / 100
Surface Tension	mN/m	≥ 42
Transparency	%	≥ 88
Moisture Barrier (WVTR)	g/m²·day	≤ 1.5
Oxygen Barrier (OTR)	cc/m²·day	≤ 5.0
Impact Resistance	-	High
Heat Resistance	°C	Up to 180
Shrinkage Rate	%	Up to 78 (depending on application)

3. Additional Features

- Superior Transparency & Clarity: Ensures high visibility for packaging and labels.
- High Impact Resistance: Provides excellent durability for industrial and medical applications.
- Excellent Thermoformability: Suitable for various forming and molding applications.
- Shrinkable Properties: Ideal for shrink sleeve labels and flexible packaging.
- 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.

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