HARDVOGUE

PVC Film

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1. Product Overview & Applications

PVC Film (Polyvinyl Chloride Film) is a versatile and durable thermoplastic film known for its high flexibility, chemical resistance, and excellent mechanical properties. It is widely used in packaging, printing, stationery, medical applications, and industrial protection. PVC Film offers superior clarity, strength, and heat-sealing performance, making it an ideal choice for various industries.

- Flexible Packaging: Used for food, pharmaceutical, and industrial applications.
- Printing & Advertising: Ideal for banners, labels, and promotional materials.
- Medical & Pharmaceutical: Used in blister packaging, medical bags, and protective films.
- Industrial & Protective Films: Provides chemical and moisture resistance for protective uses.

2. Technical Specifications

Property	Unit	Typical Value
Basis Weight	g/m²	50 - 400 ± 2
Thickness	μm	30 - 500 ± 3
Tensile Strength (MD/TD)	MPa	≥ 50 / 45
Elongation at Break (MD/TD)	%	≥ 200 / 180
Surface Tension	mN/m	≥ 38
Transparency	%	≥ 85
Moisture Barrier (WVTR)	g/m²·day	≤ 2.5
Chemical Resistance	-	Excellent
Heat Resistance	°C	Up to 80
Flame Retardancy	-	Self-extinguishing

3. Additional Features

- High Flexibility & Strength: Ensures durability and mechanical stability.
- Superior Chemical Resistance: Performs well against acids, oils, and solvents.
- Excellent Printability: Compatible with various printing methods for high-quality graphics.
- Good Moisture & Gas Barrier: Enhances product protection and longevity.
- Flame Retardant & Self-Extinguishing: Provides enhanced safety for various 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.