

PETG & PVC Technical Specifications

1. Product Description

PETG (Polyethylene Terephthalate Glycol-Modified) is a high-transparency, impact-resistant thermoplastic that is easy to thermoform and offers excellent chemical resistance and processing performance.

PVC (Polyvinyl Chloride) is a widely used thermoplastic with good mechanical properties, chemical resistance, and flame retardancy, making it suitable for various industrial applications.

2. Main Applications

- PETG: Food packaging, medical packaging, electronic product casings, advertising display boards.
- PVC: Card materials (membership cards, credit cards), construction materials, advertising boards, printing packaging.

3. Technical Specifications

Parameter	PETG	PVC
Thickness	0.15mm - 3.0mm	0.15mm - 3.0mm
Density	1.27 g/cm ³	1.38 g/cm ³
Tensile Strength	50-60 MPa	45-55 MPa
Impact Strength	High	Medium
Heat Resistance	60-80°C	55-75°C
Transparency	High	Transparent/Opaque options
Flame Retardancy	Non-flammable	Optional flame-retardant grades
Chemical Resistance	Good	Excellent

4. Storage Conditions

- Store in a dry and well-ventilated environment, avoiding direct sunlight.
- Recommended temperature: 10-30°C, with humidity below 50%.
- Avoid excessive pressure when stacking to maintain sheet flatness.

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