

**1. Product Overview & Applications**

PE Coated Board is a high-quality paperboard laminated with a polyethylene (PE) coating to enhance its moisture resistance, durability, and heat-sealing properties. It is widely used in food packaging, beverage cups, medical containers, and industrial applications where barrier protection is essential. The PE layer provides a strong shield against water, grease, and other contaminants, making it an ideal choice for direct food contact and sustainable packaging solutions.

- Food Packaging: Used for disposable food containers, trays, and take-out boxes.
- Beverage Packaging: Ideal for coated cups, drink carriers, and lids.
- Medical & Pharmaceutical: Ensures hygiene and moisture resistance for medical packaging.
- Industrial & Agricultural Uses: Provides durable moisture protection for packaging applications.

2. Technical Specifications

Property	Unit	Typical Value
Basis Weight	g/m ²	180 - 450 ± 5
Thickness	μm	250 - 600 ± 10
PE Coating Weight	g/m ²	10 - 50
Stiffness (MD/TD)	mN	≥ 300 / 180
Brightness	%	≥ 85
Opacity	%	≥ 98
Water Resistance (Cobb 60s)	g/m ²	≤ 30
Heat Sealability	-	Excellent
Grease Resistance	-	High
Recyclability	-	PE separation for recycling

3. Additional Features

- Superior Moisture & Grease Barrier: Prevents leaks and contamination.
- High Stiffness & Strength: Provides excellent structural support for packaging.
- Heat-Sealable Coating: Enables strong sealing for food and beverage containers.
- Customizable Coating Weight: Available in different PE layer thicknesses.
- Eco-Friendly & Recyclable: PE can be separated for recycling in designated facilities.

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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