**FSB Cardboard Products**

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1. **Product Overview & Applications**

FSB (Folding Solid Board) Cardboard is a high-density, single-layer fiberboard designed for premium and heavy-duty packaging applications. It provides exceptional strength, smoothness, and rigidity, making it ideal for various industries including pharmaceuticals, luxury goods, and frozen food packaging. FSB offers superior moisture resistance and printability, ensuring high-quality graphics and enhanced durability.

- Luxury & Premium Packaging: Ideal for high-end cosmetics, perfumes, and gift boxes.

- Food & Beverage Packaging: Used in frozen food, dairy, and confectionery packaging.

- Pharmaceutical & Healthcare: Ensures safe and durable packaging for medicines and medical products.

- Industrial & E-commerce: Provides strength for protective cartons and shipping boxes.

1. **Technical Specifications**

Property/Unit Tolerance Standards

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Grammage,g/m² | +/-3% | 167 | 185 | 210 | 235 | 260 | 280 | 300 | ISO 536 |
| Thickness,μm | +/-15μm | 305 | 340 | 385 | 430 | 455 | 485 | 515 | ISO 534 |
| Bending moment Taber 15°MD,mNm | min -25% | 6.0 | 8.0 | 12.0 | 14.0 | 19.0 | 23.0 | 26.0 | ISO2493 |
| Bending moment Taber 15°CD,mNm | min -25% | 3.0 | 4.0 | 6.0 | 7.0 | 9.5 | 11.5 | 13.0 |
| Bending resistance L&W 15°MD,mN | min-25% | 124 | 166 | 248 | 290 | 393 | 476 | 538 | SO 2493 |
| Bending resistance L&W 15°CD,mN | min -25% | 62 | 83 | 124 | 145 | 197 | 238 | 269 |
| Mosture,% | +/-1% | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | ISO 287/GB/T 462 |
| Brightness D65,%,Top | min 78% | 80 | 80 | 80 | 80 | 80 | 80 | 80 | ISO 2470 |
| Surface Smoothness,Bendtsen,ml/min,Top | max+150 | 500 | 500 | 500 | 500 | 550 | 600 | 600 | SO 8791-2 |
| Cobb Water 60s,g/m²,Top | S | 40 | 40 | 40 | 40 | 40 | 40 | 40 | SO 535/GB/T 1540 |
| EWT water 95°C,kg/m²,10 min | S | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | MillMethod |
| \*EWT milk tea 95°C,kg/m²,10 min | S | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | Mil Method |
| Scott Bond,J/m² | 2 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | TAPPIT569 om |
| Fluorescent substance,wavelength 254mm and 365mm | N/A | Negative | GB 31604.47 |

**3. Additional Features 4. Storage & Handling**

- High Strength & Rigidity: Provides superior support for heavy-duty applications. - Store in a cool, dry environment at 10-25°C, 40-60% relative humidity.

- Excellent Printability: Coated surface enables high-resolution printing and vibrant graphics. -Avoid direct sunlight and extreme temperature fluctuations.

- Moisture & Water Resistance: Ensures durability in humid and cold environments. - Handle with care to prevent surface damage or deformation.

- Eco-Friendly & Recyclable: Made from renewable fiber sources, 100% recyclable.

- Ideal for Folding & Die-Cutting: Supports intricate packaging designs and embossing.

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