

Technical Specification of labelstock

Product code	70DT-F(A)-W
Face stock	70gsm Direct Thermal Paper
Adhesive	Deep Frozen permanent hotmelt
Liner	60gsm White Glassine

Items	Specifications	Unit	Test Method
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Face Stock

Basic Weight	70±5%	g/m ²	GB/T 451.2-2002
Caliper	72±5%	μm	GB/T 451.3-2003
Brightness	≥80	%	GB/T 7974-2002

The material surface has good resistance of heat sensitive protective coating to water, oil and plasticizer, scratch resistance, excellent weather resistance, with good thermal sensitivity image preservation performance, BPA FREE, suitable for industrial bar code label, logistics labels, etc

Adhesive

"Loop" Tack	≥12	N	FTM9,ss
Peel Adhesion (90°)	≥10	N/25mm	FTM2,ss
Minimum Labeling Temp.	-20℃		
Service Temp.	-45℃ ~65℃		

This product uses frozen hot melt adhesive, high initial viscosity and final viscosity, have excellent performance in many packaging materials and excellent viscosity at low temperature. This product is not suitable for PVC surface and not recommended for small-caliber bottles (diameter ≤25mm). It is necessary to do a comprehensive labeling test in the final used environment before use.

Liner

Basic Weight	60±5%	g/m ²	GT/T 451.2-2002
Caliper	53±5%	μm	GT/T 451.3-2003
Tensile Strength (MD)	≥5.0	kN/m	GT/T 12914-1991

Printing and processing

This product can be used in most traditional printing methods for printing. Due to the thermal characteristics of the product, the processing environment can't be higher than 50℃. Pay attention to transportation to reduce material friction and collision in the process to avoid the occurrence of outer ring or local black phenomenon. Containing alcohol or volatile organic solvents Ink may damage the heat sensitive layer. UV or water-based ink and varnish are recommended for flexographic printing.

Storage & Preservation

One year when stored at 23±2℃ and 50±5% RH. If test qualified, the label can continually be used after shelf life.

Special explanation :

- 1.All descriptions of materials, technical information and recommendations for use are based on test results that we believe to be credible, but do not constitute a warranty.
- 2.Due to the different use conditions and processing conditions of the product, please test before use to avoid unknown risks.
- 3.The technical documents are subject to Hengyuan's current terms and conditions, and Hengyuan reserves the right of final interpretation