



THERMAL PAPER

Years of production experience
Decades of experienced team



HIGH QUALITY RAW MATERIALS

Complete specifications
Free design

Customizable, please contact customer
service for customization



PRODUCT QUALITY REPORT

48G THERMAL PAPER AND 55G THERMAL PAPER

| | | | (T55) | | (T48) | | |
|-----|---|------------------------------|-------------|-------------------|-------------|-------------------|-------|
| No. | Description of Test | Announced value (Tolerance) | Test Result | Hansol Data Sheet | Test Result | Hansol Data Sheet | |
| 1 | Basic Weight –gr/m ² | ≥50 | 54.08 | 55±5 | 48.99 | 55±5 | |
| 2 | Thickness- μm | ≥50 | 57.2 | 59±5 | 48 | 59±5 | |
| 3 | Roughness – ml/min | ≤250 | 48.3 | ≤350 | 33.7 | ≤350 | |
| 4 | Tensile strength MD. – N/15mm | ≥36 | 56.82 | ≥39 | 56.41 | ≥39 | |
| 5 | Tensile strength CD. – N/15mm | ≥12 | 29.71 | ≥12 | 22.07 | ≥12 | |
| 6 | Brightness -% ISO | ≥75 | 86.49 | 83±3 | 84.15 | 83±3 | |
| 7 | Resistance to temperature 50 ° C / 24h | Optical density before aging | ≥1.25 | 1.18 | ≥1.35 | 1.27 | ≥1.35 |
| | | Optical density after aging | ≥1 | 1.11 | ≥1 | 1.24 | ≥1 |
| 8 | Resistance to temperature and humidity – 40 ° C / 24h & 70% R.H | Optical density before aging | ≥1.25 | 1.18 | ≥1.35 | 1.27 | ≥1.35 |
| | | Optical density after aging | ≥1 | 1.09 | ≥1.15 | 1.20 | ≥1.15 |
| 9 | Resistance to light- Color fastness to light 5000LUX, 4h | Optical density before aging | ≥1.25 | 1.18 | ≥1.35 | 1.27 | ≥1.35 |
| | | Optical density after aging | ≥1 | 1.03 | ≥1.25 | 1.18 | ≥1.25 |

FOR EXAMPLE:

Quality standard for common thermal paper

| | | (T48) | | (T55) | | |
|---------------|----------------------------------|-----------------------------|--|-------------------------|---|----------------------|
| Serial number | Testing Item | Qualified product | Test method | Qualified product | Test method | |
| 1.1 | whiteness | ≥85% | Test according to GB/T 7974 | ≥85% | Test according to GB/T 7974 | |
| 1.2 | quantitative | 48g/m ² | Test according to GB/T 451.2 | 55g/m ² | Test according to GB/T 451.2 | |
| 1.3 | Quantitative deviation | ±3% | Test according to GB/T 451.2 | ±5% | Test according to GB/T 451.2 | |
| 1.4 | thickness | 50± 2um | Test according to GB/T451.3 | 58 ± 2um | Test according to GB/T451.3 | |
| 1.5 | Frontal smoothness | ≥400S | Test according to GB/T455.1 | ≥300S | Test according to GB/T455.1 | |
| 1.6 | Tension (longitudinal) | ≥4000N | Test according to GB/T453 | ≥4000N | Test according to GB/T453 | |
| 1.7 | Tearing degree (transverse) | ≥ 200m N | Test according to GB/T455.1 | ≥200mN | Test according to GB/T455.1 | |
| 1.8 | Background optical density (O.D) | ≤0.10 | -- | ≤0.10 | -- | |
| 1.9 | Light resistance | Color retention rate | ≥90% | 5000± 200LU 100h | ≥85% | 5000 ± 200LU 100h |
| | | Blank optical density (O.D) | ≤0.2 | | ≤0.2 | |
| 1.10 | Heat resistance | Color retention rate | ≥90% | 60℃ , 24h | ≥85% | 60℃ , 24h |
| | | Blank optical density (O.D) | ≤0.2 | | ≤0.2 | |
| 1.11 | Moisture resistance | Color retention rate | ≥90% | 40℃ , 90%RH 24h | ≥85% | 40℃ , 90%RH 24h |
| | | Blank optical density (O.D) | ≤0.2 | | ≤0.2 | |
| 1.12 | definition | Continuous line | Bar code print of POS machine | Continuous line | Bar code print of POS machine | |
| 1.13 | moisture | 6.0%-7.0% | -- | 5.5%-6.0% | -- | |
| 1.14 | warping | ≤20mm | -- | ≤20mm | -- | |
| 1.15 | expiration date | One year after delivery | Avoid light , 5-30℃ , Less than 75% RH | One year after delivery | Avoid light, 5-30℃ , Less than 75%RH | |

REAL SHOT SHOW

THERMAL PAPER



80x80mm



80x70mm



80x60mm



80x50mm



70x50mm



70x40mm



70x30mm



60x50mm



60x40mm



60x30mm



50x70mm



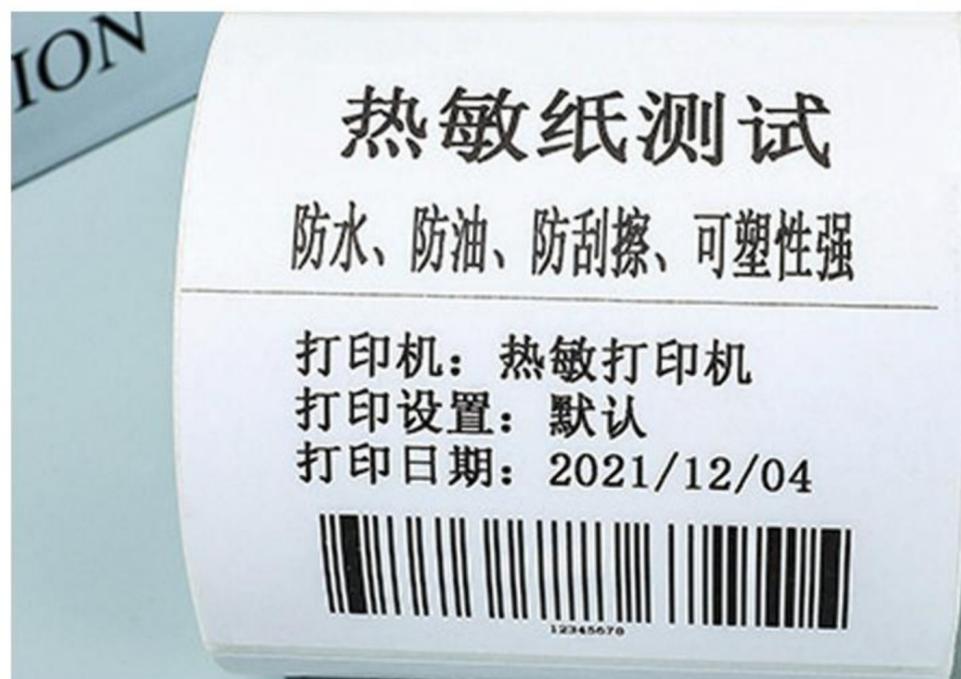
50x60mm

FOR OTHER SPECIFICATIONS, PLEASE CONTACT CUSTOMER SERVICE

FREE PROOF OF THERMAL PAPER

PRODUCT ADVANTAGES

Suitable for various printing papers



PRINT CLEARLY

Selected high-quality thermal sensitive surface materials

THREE PROOF QUALITY

Waterproof, oil resistant, scratch resistant, strong plasticity



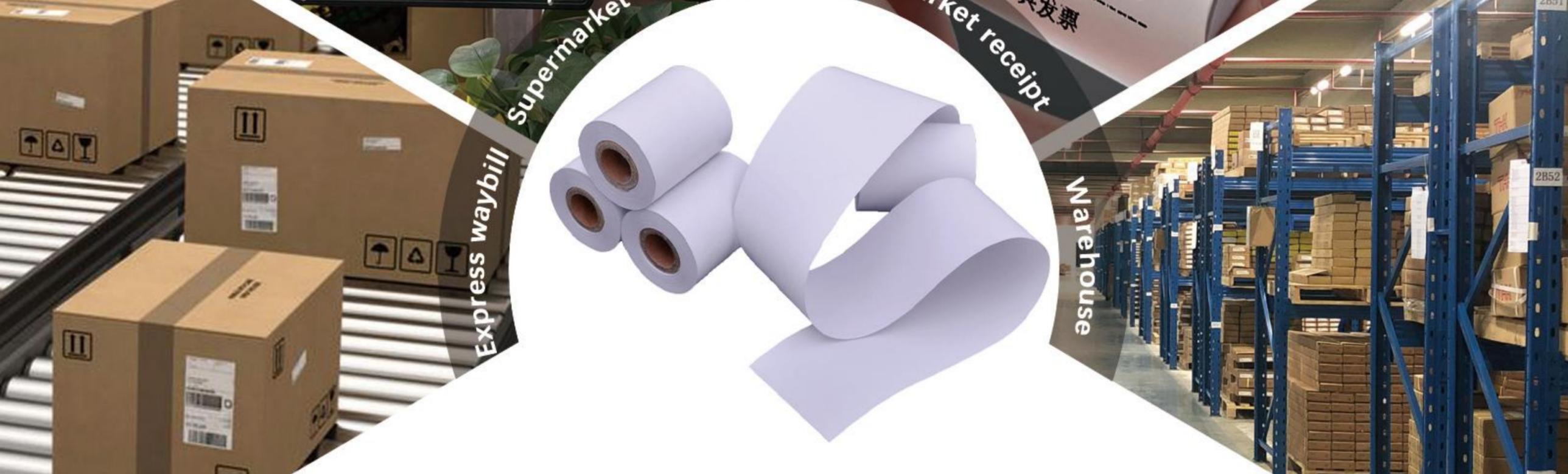
SMOOTH PAPER

The paper is flat, cut neatly, and printed clearly



Adapting devices

Suitable for various devices



APPLICATION SCENARIOS

SUITABLE FOR VARIOUS SCENARIOS

STRONG PRODUCTION CAPACITY

SHORT SHIPPING CYCLE



Finished product warehouse



Raw paper warehouse



Coating plant



cutting equipment



Printing equipment



Test equipment



What aspects can be customized?

Width: 57mm-300mm (suitable for various types of equipment);

Weight: 40-80g (scenarios such as receipt printing/label bills);

Quantity: supports small batch trials and large-scale customization;

Others: color, coating characteristics (heat resistance/scratch resistance), etc.

What printing methods are supported?

Back printing: print LOGO, slogans, etc. to enhance brand image;

UV printing: bright colors, suitable for labels, bills, etc.

What is the minimum order quantity?

W5000 rolls (small batch trials can be negotiated for the first cooperation).

How long does it take to ship?

7-20 days after receiving the deposit (7-10 days for regular orders, 15-20 days for customization/large orders).

What are the logistics methods?

SF Express / Deppon / DHL / sea transportation / air transportation, recommend the best solution according to your needs.

How long is the warranty period?

Under normal storage conditions (10-30°C, humidity 40%-60%), the warranty period is 12 months.



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