



The Technical Standard

12/08/2026

48 gsm Fénix Thermal Paper BPA Free				
Index			Unit	Testingresult
Grammage			g/m²	48
Grammage Tolerance			%	±4.0
Thickness			um	54-58
Brightness	Coated surface		%	≥ 76
Tensile strength	Vertical		KN/m	≥ 2.0
Smoothness	Coated surface		S	≥260
Tear resistance	Horizontal		mN	≥150
Static color development performance	70°C color development density		—	≤0.25
	saturated color development density		—	≥ 1.05
Dynamic color development performance	color development sensitivity		mJ/mm²	≤ 10
	saturated color development density		—	≥ 1.05
Image preservation performance	Light resistance performance	Density of the blank area	—	≤0.25
		Density of the colored area	—	≥ 0.95
		Retention rate	%	≥ 90
	Heat resistance performance	Density of the blank area	—	≤0.25
		Density of the colored area	—	≥ 0.95
		Retention rate	%	≥ 90
	Wet resistance performance	Density of the blank area	—	≤0.25
		Density of the colored area	—	≥ 0.95
		Retention rate	%	≥ 90
Moisture			%	5.0-7.0
Shelf life	Blank storage		Month	≥ 12
	Saturation color storage		Month	≥ 6
	Note: The storage environment should be at a temperature range of 5-30°C, with a relative humidity lower than 50% RH. It should be protected from light and kept away from plasticizers, oil, solvents, water and other chemical substances.			

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Note:

1. All relative material's description, technical specification and usage recommendation are based upon tests believed to be reliable but do not represent a guarantee.
2. Is mandatory test before production to avoid potential risks, due to various operating environments and processing conditions,
3. All information and recommendations abouts **FÉNIX[®]** products are base on our existing knowledge and experiences but do not mean a guarantee or warranty. As the products are used for differents applications we recommend checking suitability of products prior to use. All information is subject to change without notice. End user obliged and verifies the above information before using the material.

4. **Fénix Paper Corp.** Reserves the right to interpret latest terms to the technical documents.

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