



# SPECIFICATION

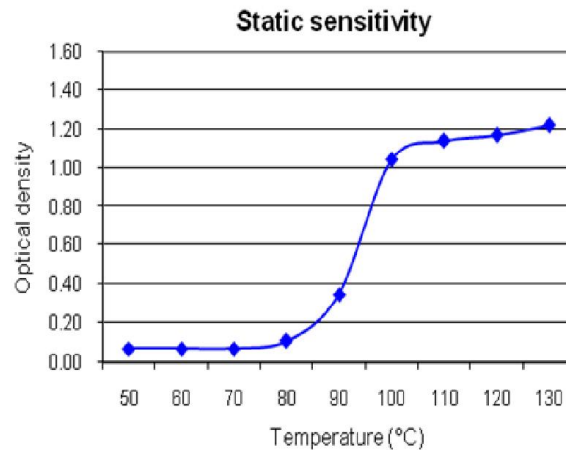
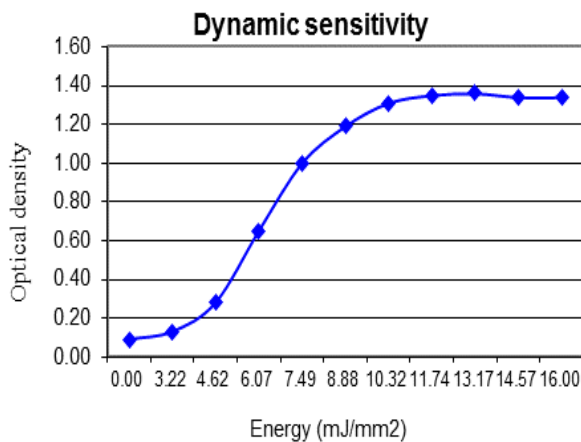
## GT 598

**Description:** Direct thermal top coated, Strong alcohol resistance  
**Application:** Well suited for Lottery, Gaming, Ticket

<u>Physical Properties</u>		<u>Unit</u>	<u>Specification</u>	<u>Test method</u>
Substance		g/m <sup>2</sup>	130.0 ± 3.0	ISO 536
Thickness		µm	145 ± 5	ISO 534
Smoothness		Sec	Min 800	Oken method
Brightness		%	Min 80	ISO 2470 (C/2°)
Tensile Strength	MD/CD	kN/m	Min 4.5 / Min 2.5	ISO 1924-2
Tearing Strength	MD/CD	mN	Min 750 / Min 750	ISO 1974
Stiffness	MD/CD	Cm <sup>3</sup> /100	>170 / >75	JIS P8143

<u>Image Density</u>			<u>Test method</u>
10.32mJ/ mm <sup>2</sup>		Min 1.00	Atlantek 400 / Speed 4.0 inch/sec.
16.00mJ/ mm <sup>2</sup>		Min 1.25	

<u>Durability</u>	<u>Background / Image part</u>	<u>Test method</u>
Heat Resistance	Max 0.20 / Min 1.15	60°C dry 24Hrs.
Moisture Resistance	Max 0.20 / Min 1.15	40°C 90%RH 24Hrs.
Light Resistance	Max 0.20 / Min 1.15	5000Lux 100Hrs.
Water Resistance	Max 0.20 / Min 0.90	Immerse water Room temp 24Hrs.
Oil Resistance	Max 0.20 / Min 1.00	Wipe 24Hrs.
Plasticizer Resistance	Max 0.20 / Min 1.15	PVC film Room temp. 24Hrs.
100% Ethanol Resistance	Max 0.20 / Min 1.15	Wipe Room temp.



### Storage Suggestion

Our thermal paper should be stored at a constant temperature of 23 ± 5 °C and a relative humidity of 50 ± 10%. Exposure to strong sunlight or strong artificial light or the influence of aggressive chemicals should be avoided.

Valid from June 2023