

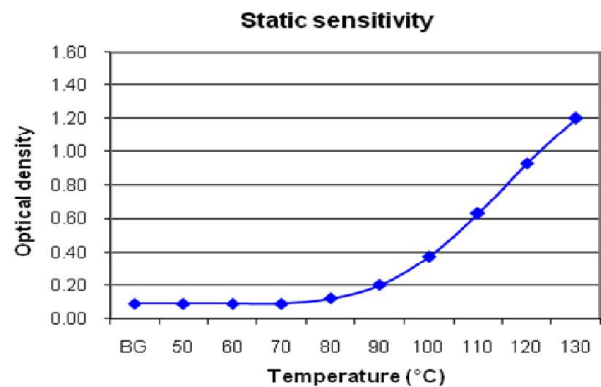
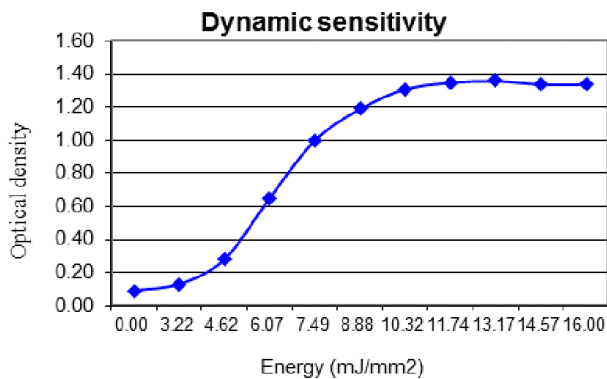


# SPECIFICATION

## LT 538

**Description:** Direct thermal top coated, Strong alcohol resistance  
**Application:** Well suited for Baggage Tag, Hospital, Retail, Industrial label

<u>Physical Properties</u>		Unit	Specification	Test method
Substance		g/m <sup>2</sup>	76.0 ± 3.0	ISO 536
Thickness		µm	80 ± 5	ISO 534
Smoothness		Sec	Min 1000	Oken method
Brightness		%	88 ± 3.0	ISO 2470 (C/2°)
Opacity		%	93 ± 3.0	ISO 2471 (C/2°)
Tensile Strength	MD/CD	kN/m	Min 3.5 / Min 1.8	ISO 1924-2
Tearing Strength	MD/CD	mN	Min 330 / Min 350	ISO 1974
Stiffness	MD/CD	Cm <sup>3</sup> /100	>35 / >20	JIS P8143
<u>Image Density</u>				
10.32mJ/ mm <sup>2</sup>			Min 0.80	Atlantek 400 / Speed 4.0 inch/sec.
16.00mJ/ mm <sup>2</sup>			Min 1.20	
<u>Durability</u>			<b>Background / Image part</b>	<b>Test method</b>
Heat Resistance			Max 0.20 / Min 1.10	60°C dry 24Hrs.
Moisture Resistance			Max 0.20 / Min 1.10	40°C 90%RH 24Hrs.
Light Resistance			Max 0.20 / Min 1.10	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 1.10	PVC film Room temp. 24Hrs.
20% Ethanol Resistance			Max 0.20 / Min 1.10	Immerse 10min.



### 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