

Data Sheet

## Standard Thermal Paper Roll



### Your Everyday Use with Thermal Paper Roll

Get a cost-effective thermal paper roll that delivery connectivity and convenience for your fixed or mobile POS system.

- Thermal paper roll is a special paper that infused with chemicals which are sensitive to heat. When it is exposed to heat, such as in a thermal printer, there is a change in colour.
- Thermal paper can be used for cash registers, POS systems and hand held devices used within the gaming, financial, hospitality, medical, government and retail sectors.
- Thermal paper is a reliable and fast solution for print solution

## Standard Thermal Paper Roll

### Paper Properties

| ITEM                  | UNIT             | VALUE      | TEST METHOD            |
|-----------------------|------------------|------------|------------------------|
| Basis Weight          | g/m <sup>2</sup> | 58.0 ± 3.0 | SCAN-P6 / ISO 536      |
| Thickness             | µm               | 70 ± 5     | SCAN-P7 / ISO 534      |
| Moisture              | %                | 6.0 ± 1.0  | SCAN-P4 / ISO 287      |
| Smoothness, Bekk      | s                | min. 450   | TAPPI T 479 / ISO 5627 |
| ISO-Brightness        | %                | min. 85    | ISO 2470               |
| Tensile strength (MD) | kN/m             | min. 2.5   | SCAN-P38 / ISO 1924-2  |
| Tensile strength (CD) | kN/m             | min. 1.5   | SCAN-P38 / ISO 1924-2  |
| Tear strength (MD)    | mN               | min. 260   | SCAN-P11 / ISO 1974    |
| Tear strength (CD)    | mN               | min. 260   | SCAN-P11 / ISO 1974    |

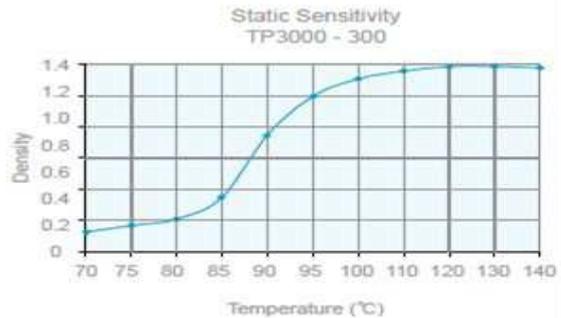
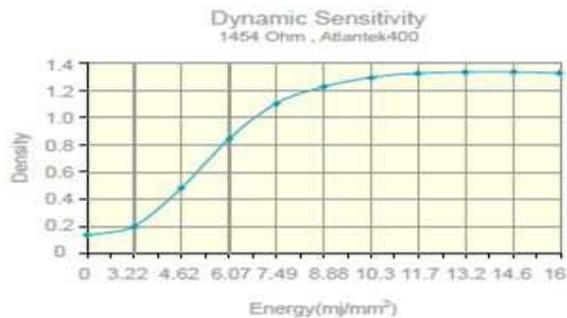
### Image Properties

| ITEM                | UNIT | VALUE       | TEST METHOD |
|---------------------|------|-------------|-------------|
| Image color         | -    | black       |             |
| Dynamic sensitivity | OD   | 1.10 ± 0.05 | 0.28 mJ/dot |
| Maximum density     | OD   | 1.25 ± 0.10 |             |

### Stability Properties

| ITEM                              | UNIT | VALUE     | CIRCUMSTANCES                      |
|-----------------------------------|------|-----------|------------------------------------|
| Heat resistance:                  |      |           | 60°C, 24h                          |
| Background                        | OD   | max. 0.20 |                                    |
| Image loss                        | OD   | max. 25%  |                                    |
| Humidity resistance:              |      |           | 40°C, 90% RH, 24h                  |
| Background                        | OD   | max. 0.20 |                                    |
| Image loss                        | OD   | max. 15%  |                                    |
| Light resistance:                 |      |           | 5000 lux, 100h                     |
| Background                        | OD   | max. 0.20 |                                    |
| Image loss                        | OD   | max. 10%  |                                    |
| Stability of image & printability |      | 7 years   | correct storage for thermal papers |

## Technical Data Sheet



## Standard Thermal Paper Roll

1. Plastic or paperboard core inside, 1/2" (12.7mm) x 17mm universal core size
2. Width can be 3 1/8" (80mm), 2 1/4"(57mm), 3"(76mm) or as customer's specification
3. Premium paper quality, standard 48gsm, 55gsm, 58gsm and 60gsm thermal paper rolls
4. Smooth & elegant paper surface, clear & dark print-out image, dust free paper
5. BPA free paper, can be printed with design artwork on paper front and reverse

