Frimpeks

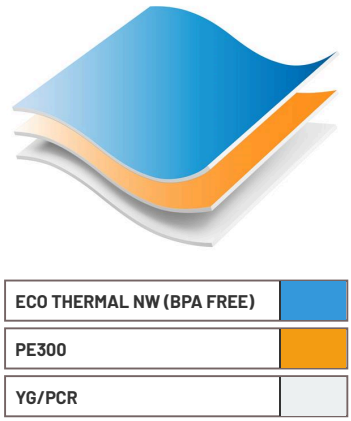
TECHNICAL DATA SHEET

# 653001409 ECO THERMAL NW (BPA FREE)-PE300-YG/PCR

**Face** A white, non-topcoated thermal paper that is coated with black imaging thermosensitive coating. This paper has limited resistance to thermal image scratching or smudging with normal stability against oil, alcohol and environmental influences such as heat, humidity and light. The image may fade over a period of time if exposed to high humidity and light. This paper is BPA-free.

**Adhesive** An acrylic-based, strong permanent adhesive designed for general-purpose applications. It provides excellent initial tack and adhesion across a wide variety of substrates. It ensures superior performance during slitting, high-speed matrix stripping and automatic labeling processes

**Liner** Yellow, supercalendered, recycled content, siliconised glassine paper. Specially designed for high-speed conversion, punching, and perforation. Its transparency allows for use in automatic dispensing systems.




| Face | Method | Unit | Target | |
|---|---|---|---|---|
| Basis Weight | ISO 536 | g/m$^2$ | 65 | |
| Thickness | ISO 534 | µm | 72 | |
| **Adhesive** | | | | |
| Peel adhesion 90° | FTM 2 st. st | N/m | 280 | ( 7 N/25mm) |
| Loop Tack | FTM 9 glass | N/m | 560 | (14 N/25mm) |
| Min. appl. Temperature | | °C | 0 | |
| Service Temperature | | °C | -20 / +80 | |
| **Liner** | | | | |
| Basis Weight | ISO 536 | g/m$^2$ | 53 | |
| Thickness | ISO 534 | µm | 46 | |
| Transparency | DIN 53147 | % | 49 | |
| **Laminate** | | | | |
| Thickness | ISO 534 | µm | 130 ± %10 | |
| **Slit Rolls** | | | | |
| Width | ISO 534 | mm | ± 1 | |
| Roll length measurement | ISO 534 | m | ± %1 | |

## Application and Use

Typical applications are information labelling such as logistics and warehousing, stores mainly on paper, cardboard, plastic bags. Limited resistance to moisture, oil , fats and plasticizers and short term durability recommended for strong lighting to avoid image fade.

## Conversion and Printing

This product has good printability in all classical printing methods. Printing inks should be checked for suitability prior to use. This product is designed for use in thermal printing system at printing speeds up to 10 inch /250 mm per sec (based on printer's set up).

## Packaging

The rolls are sliced according to customer requirements, double sided siliconised papers are put between of rolls. Paperboards are placed at the sides. They are delivered on pallets. Product description labels are fixed on rolls.

## Shelf Life and Storage Conditions

One year when stored away from direct sunlight and heat, in a dark, dry place at a temperature of 22 °C ± 2 °C with a relative humidity of 50 %, ± 5%.

Disclaimer: The statements listed on this publication are according to our best knowledge. The statements do not exonerate the user from their own responsibility to determine that our products are suitable for their processes. All specific substrate specifications may vary by ±10%. They are intended to inform and advise and are subject to influence from the technical process. This edition with the indicated date below replaces all previous editions. With the present edition all older editions are null and void.