

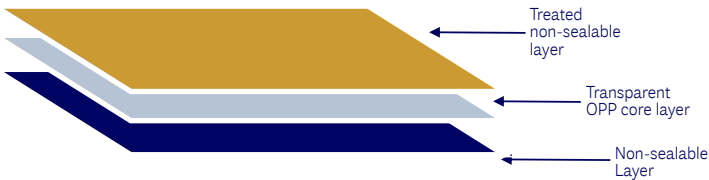


**TPPPL - NHS - AT**

# **DATA SHEET**

[www.tempopackaging.com](http://www.tempopackaging.com)

# NHS - AT



## Typical Applications

Pressure sensitive adhesive tape

## Product Description

TPPPL - NHS - AT is transparent, high gloss, non heat sealable, corona treated that can be used in pressure sensitive adhesive tape manufacturing applications. It has good ink adhesive anchorage on treated surface.

## Key Features

- Outstanding optical properties
- Excellent adhesive & ink adhesion
- Good stiffness
- Good mechanical properties
- Good anti-static and slip properties
- Water, oil, grease repellent
- Excellent wetting tension

## TECHNICAL SPECIFICATION

| Properties                              | Unit               | Method              | Typical Values (NHS-AT) |      |      |
|---|--------------------|---------------------|-------------------------|------|------|
| <b>Physical Properties</b>              |                    |                     |                         |      |      |
| Nominal Thickness                       | μ                  | TPPPL               | 23                      | 26   | 28   |
| Grammage                                | gm/m <sup>2</sup>  | TPPPL               | 20.9                    | 23.7 | 25.5 |
| Density                                 | Gm/cc              | TPPPL               | 0.905 - 0.910           |      |      |
| Yield                                   | m <sup>2</sup> /kg | TPPPL               | 47.8                    | 42.2 | 39.3 |
| <b>Optical Properties</b>               |                    |                     |                         |      |      |
| Haze (Max)                              | %                  | ASTM D 1003         | 1.5                     |      |      |
| Gloss @ 45° (Min)                       | -                  | ASTM D 2457         | 90                      |      |      |
| <b>Surface Properties</b>               |                    |                     |                         |      |      |
| Wetting Tension (Min)                   | Dyne/cm            | ASTM D 2578         | 38                      |      |      |
| Dynamic Coefficient of Friction (NT/NT) | -                  | ASTM D 1894         | 0.40                    |      |      |
| <b>Mechanical Properties</b>            |                    |                     |                         |      |      |
| Tensile Strength (at Break) (Min)       | N/mm <sup>2</sup>  | ASTM D 882 MD<br>TD | 160                     | 290  |      |
| Elongation (at Break) (Max)             | %                  | ASTM D 882 MD<br>TD | 140                     | 50   |      |
| Elastic Modulus (Min)                   | N/mm <sup>2</sup>  | ASTM D 882 MD<br>TD | 2000                    | 3800 |      |
| <b>Thermal Properties</b>               |                    |                     |                         |      |      |
| Shrinkage@120°C<br>5 Minutes air (Max)  | %                  | TPPPL MD<br>TD      | 4.0                     | 2.0  |      |

MD- Machine Direction, TD- Transverse Direction, NT- Non-Treated, RH- Relative Humidity, TPPPL- Tempo Paper Pulp & Packaging Ltd.

## Corona Treatment Indication

TPPPL – NHS-AT can be supplied either with treatment on the inside (TI) Outside surface (TO) . This must be agreed with our sales representative before processing the order.

## Roll Size Availability

| Film Type | Standard Length (m) | 2 x Std. Length | 4 x Std. Length | 6 x Std. Length | 8 x Std. Length |
|-----------|---------------------|-----------------|-----------------|-----------------|-----------------|
| NHS-AT 23 | 2750                | 5500            | 11000           | 16500           |                 |
| NHS-AT 25 | 2550                | 5100            | 10200           | 15300           | 20400           |
| NHS-AT 28 | 2300                | 4600            | 9200            | 13800           | 18400           |

## Corresponding Roll's Outer Diameter

|                |        |        |        |        |        |
|----------------|--------|--------|--------|--------|--------|
| Core ID 76 mm  | 305 mm | 419 mm | 588 mm | 716 mm | 825 mm |
| Core ID 152 mm | 337 mm | 444 mm | 605 mm | 730 mm | 838 mm |

\*For availability of roll sizes (multiples of standard length) please refer to the Sales Representative

## Legal Statement

Contact your Tempo Customer Service Representative /Sales Representative for potential food contact application compliance (e.g. FDA, NAFDAC) & MSDS. This product is not intended for use in medical applications and should not be used in any such applications. The figures and data provided in this datasheet are consistent with the current state of our knowledge and are intended to provide general information about our products and their applications. They do not constitute a guarantee of any specific product attributes or the suitability of products for specific applications.

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