

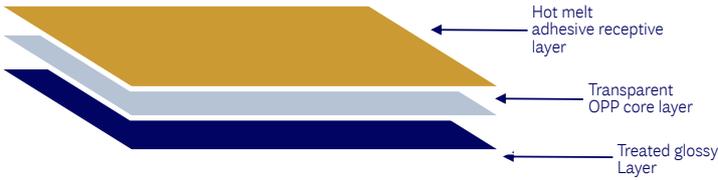


**TPPPL - NHS - WL**

# **DATA SHEET**

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

# NHS - WL



## Typical Applications (Reel fed wraps around label)

Beverages (Alcoholic, carbonated, mineral water)  
 Dairy products  
 Household & Detergents  
 Health and beauty care  
 Miscellaneous industrial applications

## Product Description

TPPPL - NHS - WL is transparent, high gloss, corona treated designed for reel fed wrap around labelling applications. It is designed for optimized performance on the most demanding labelling machines.

## Key Features

- Outstanding optical properties
- Excellent ink adhesion
- Good tear & split resistance
- Good mechanical properties
- Good anti-static and slip properties
- Good mould resistance
- Excellent hot melt anchorage

## TECHNICAL SPECIFICATION

Properties	Unit	Method	Typical Values (NHS-WL)			
<b>Physical Properties</b>						
Nominal Thickness	μ	TPPPL	30	35	38	40
Grammage	gm/m <sup>2</sup>	TPPPL	27.3	31.85	34.6	36.4
Density	Gm/cc	TPPPL	0.905 - 0.910			
Yield	m <sup>2</sup> /kg	TPPPL	36.6	31.4	28.9	27.5
<b>Optical Properties</b>						
Haze (Max)	%	ASTM D 1003	1.5	1.8	1.9	2.0
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 TD	150 280			
Elongation (at Break) (Max)	%	ASTM D 882 MD TD	170 50			
Elastic Modulus (Min)	N/mm <sup>2</sup>	ASTM D 882 MD TD	1900 3200			
<b>Thermal Properties</b>						
Shrinkage@120°C 5 Minutes air (Max)	%	TPPPL MD 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

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TPPPL – NHS-WL can be supplied either with treatment on the inside surface (TI) Outside surface (TO) or treated on both sides (TB) . 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-WL 30	2100	4200	8400	12600	16800
NHS-WL 35	1800	3600	7200	10800	14400
NHS-WL 38	1700	3400	6800	10200	13600
	1600	3200	6400	9600	12800

## 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

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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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