



TPPPL - BHS - OW

DATA SHEET

www.tempopackaging.com

BHS - OW



Typical Applications

Cigarette overwrap
 CDs, DVDs, cassettes overwrap
 Bundle wrap
 Paper board boxes
 Household items
 Industrial overwrap (pharmaceutical)
 Tight wrap of boxes, cartons etc.

Product Description

TPPPL - BHS - OW is transparent, co-extruded both side heat sealable, non treated high shrink film that can be used for various unprinted overwrap on high speed packaging application.

Key Features

- Excellent optical properties
- Excellent seal strength
- Good shrink properties
- Good mechanical properties
- Good anti-static and slip properties
- Good moisture aroma barrier
- Good antiblocking for smooth operation

TECHNICAL SPECIFICATION

Properties	Unit	Method	Typical Values (BHS-OW)		
Physical Properties					
Nominal Thickness	μ	TPPPL	18	20	25
Grammage	gm/m ²	TPPPL	16.4	18.2	22.8
Density	Gm/cc	TPPPL	0.905 - 0.910		
Yield	m ² /kg	TPPPL	61.0	54.9	44.0
Optical Properties					
Haze (Max)	%	ASTM D 1003	2.0	2.0	2.2
Gloss @ 45° (Min)	-	ASTM D 2457	90		
Surface Properties					
Wetting Tension (Min)	F/F	ASTM D 1894	0.30-0.40		
Dynamic Coefficient of Friction (NT/NT)	F/M		0.20-0.30		
Mechanical Properties					
Tensile Strength (at Break) (Min)	N/mm ²	ASTM D 882 MD TD	180 290		
Elongation (at Break) (Max)	%	ASTM D 882 MD TD	160 50		
Elastic Modulus (Min)	N/mm ²	ASTM D 882 MD TD	2000 3800		
Thermal Properties					
Shrinkage@120°C 5 Minutes air (Max)	%	TPPPL MD TD	6.0 6.0		
Heat Seal Range	°C	TPPPL NT/NT	105-140		
Seal Strength @120°C 1 bar, 0.5 sec	N/Inch	TPPPL NT/NT	3.5	4.0	5.0
Barrier Properties					
WVTR @ 38°C, 90% RH	Gm/m ² /24h	ASTM F 1249	6.0	5.5	5

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

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Corona Treatment Indication

TPPPL – BHS-OW can be supplied either with no treatment . 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
BHS-OW 15	3550	7100	14200	21300	28400
BHS-OW 18	3200	6400	12800	19200	25600
BHS-OW 20	2550	5100	10200	15300	20400

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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