

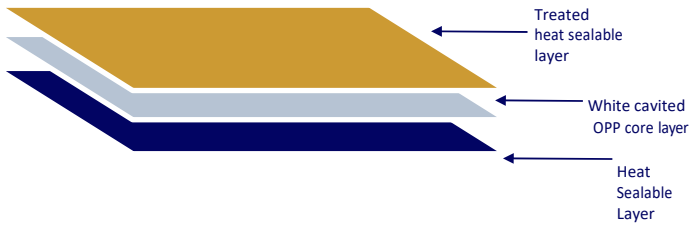


TPPPL - PHS - PL

DATA SHEET

www.tempopackaging.com

PHS-PL



Product Description

TPPPL - PHS - PL is pearl white, co-extruded both side heat sealable, corona treated that can be used on wide range of packaging machines. It has a wide seal range in order to enable high-speed HFFS and VFFS packaging capability.

Key Features

- Excellent opacity
- Brilliant pearlescent white appearance
- High surface gloss
- Good mechanical properties & stiffness
- Good heat seal strength
- Good moisture & gas barrier

Typical Applications (can be used as single web or laminate structure)

- Rotogravure & Flexographic printing, lamination
- Box and General overwrap
- Confectionery (Chocolate, Gum, Sugar, Chips, Snacks, Pasta)
- Bakery (Biscuits, Cookies, Crackers)
- Frozen and Fresh foods
- Dairy products
- Ice cream, cold seal applications

TECHNICAL SPECIFICATION

Properties	Unit	Method	Typical Values (PHS-PL)				
Physical Properties							
Nominal Thickness	μ	TPPPL	20	25	30	35	40
Grammage	gm/m ²	TPPPL	14	17.5	21.0	24.5	28.0
Density	Gm/cc	TPPPL	0.70				
Yield	m ² /kg	TPPPL	71.4	57.1	47.6	40.8	35.7
Optical Properties							
Opacity (Min)	%	DIN	65	68	70	72	75
Gloss @ 45° (Min)	-	ASTM D 2457	50				
Surface Properties							
Wetting Tension (Min)	Dyne/cm	ASTM D 2578	40				
Dynamic Coefficient of Friction (NT/NT)	-	ASTM D 1894	0.30				
Mechanical Properties							
Tensile Strength (at Break) (Min)	N/mm ²	ASTM D 882 MD TD	70 150				
Elongation (at Break) (Max)	%	ASTM D 882 MD TD	130 40				
Elastic Modulus (Min)	N/mm ²	ASTM D 882 MD TD	800 1800				
Thermal Properties							
Shrinkage@120°C 5 Minutes air (Max)	%	TPPPL MD TD	4.0 2.0				
Heat Seal Range	°C	TPPPL NT/NT	105-140				
Seal Strength @120°C 1 bar, 0.5 sec	N/Inch	TPPPL NT/NT	4.0	5.5	6.5	7.5	8.0
Barrier Properties							
WVTR @ 38°C, 90% RH	Gm/m ² /24h	ASTM F 1249	8.0	7.2	6.8	6.2	

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

TPPPL-PHS-PL

Corona Treatment Indication

TPPPL – PHS-PL 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	4xStd.Length	6xStd.Length	8 x Std. Length
PHS-PL 20	3200	6400	12800	19200	25600
PHS-PL 25	2550	5100	10200	15300	20400
PHS-PL 30	2100	4200	8400	12600	16800
PHS-PL 35	1800	3600	7200	10800	14400
PHS-PL 40	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

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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