

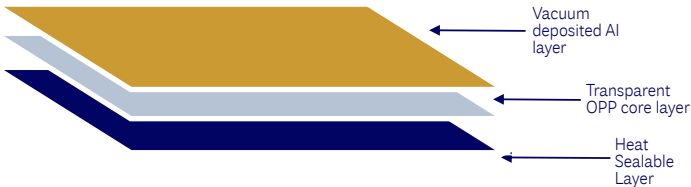


TPPPL - MHS - PL

DATA SHEET

www.tempopackaging.com

MHS - PL



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

In lamination lap sealable
 Bakery products like biscuits, cookies, crackers
 Confectionery, chocolate, crisp & snacks
 Frozen foods, ice cream, pet food
 Dry Foods, Beverages Powders
 Box overwrap, gift wrap

Product Description

TPPPL - MHS - PL is one side metallised with high purity aluminium & other side controlled Heat sealable, offers outstanding barrier to gas, moisture, odour, light & can be used in laminates as the inner web & is suitable for HFFS and VFFS applications.

Key Features

- High purity aluminium adhesion by vacuum process
- Excellent machinability
- One side sealable with high seal strength
- Good optical density
- Moisture, gas, odour barrier
- Good dimensional stability
- Good resistance to oil, fats and flex cracking

TECHNICAL SPECIFICATION

Properties	Unit	Method	Typical Values (MHS-PL)							
Physical Properties										
Nominal Thickness	μ	TPPPL	15	18	20	25	30	35	40	
Grammage	gm/m ²	TPPPL	13.7	16.4	18.2	22.8	27.3	31.9	36.4	
Density	Gm/cc	TPPPL	0.905 - 0.910							
Yield	m ² /kg	TPPPL	73.3	61.0	54.9	44.0	36.6	31.4	27.5	
Optical Properties										
Optical Density (Min)		TPPPL	2.2							
Surface Properties										
Wetting Tension (Min)	Dyne/cm	ASTM D 2578	40							
Dynamic Coefficient Friction (NT/NT)	-	ASTM D 1894	0.30							
Mechanical Properties										
Tensile Strength (at Break) (Min)	N/mm ²	ASTM D 882 MD TD					140	270		
Elongation (at Break) (Max)	%	ASTM D 882 MD TD					180	50		
Elastic Modulus (Min)	N/mm ²	ASTM D 882 MD TD					1700	2800		
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	5.0		6.5			7.0		
Barrier Properties										
WVTR @ 38°C, 90% RH	Gm/m ² /24h	ASTM F 1249	0.40	0.35	0.32	0.25	0.25	0.20	0.20	
OTR @ 23°C, 0% RH	Gm/cc /24h	ASTM D 3985	60	55	50	45	45	40	40	

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

MHS - PL

Corona Treatment Indication

TPPPL – MHS-PL can be supplied either with treatment on the inside surface (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
MHS-PL 15	4250	8500	17000	25500	34000
MHS-PL 18	3550	7100	14200	21300	28400
MHS-PL 20	3200	6400	12800	19200	25600
MHS-PL 25	2550	5100	10200	15300	20400
MHS-PL 30	2100	4200	8400	12600	16800
MHS-PL 35	1800	3600	7200	10800	14400
MHS-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.

For technical enquiries, please contact:

Sandeep Kumar, Q.A. Manager

| sandeep.kumar@tempong.com

| 07045745029

Factory & Sales Office:
Tempo Paper Pulp & Packaging Ltd.
Klm5, Idiroko Road, Behind General Hospital
Ota, Ogun State, Nigeria.
info@tempong.com
