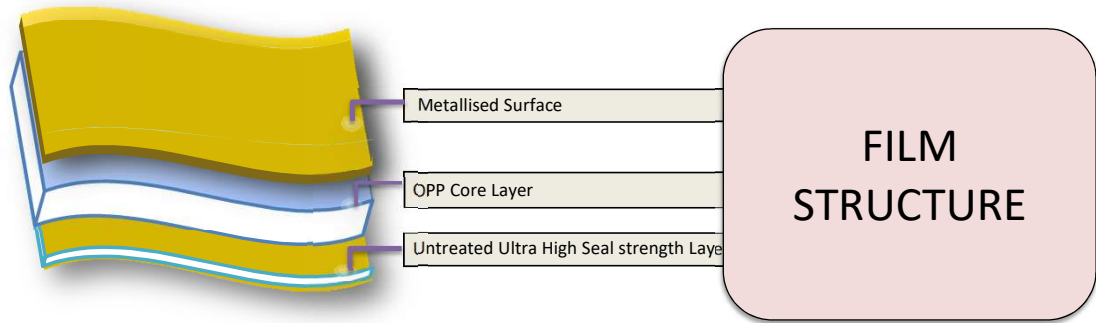




H1-2.5UTMD: Metalized BOPP film having metal deposited on plasma treated side and Other side untreated Ultra High Heat Seal Strength with Low SIT.




The big salient feature of SGF BOPP H1-2.5UTMD film




Good Sealing properties & High Seal Strength




Excellent Metal adhesion & Treatment retention



Good Barrier properties for Moisture & Oxygene



Good process ability



Good Mechanical properties

KEY FEATURES:

- * Ultra High Seal Strength & Low SIT.
- * Good Treatment retention.
- * Good Mechanical Properties.
- * Good Moisture barrier.
- * Good Oxygen barrier.

APPLICATIONS:

- * Conversion application.
- * Lamination.

PROPERTIES		TEST METHOD (ASTM)	UNIT	TECHNICAL DATA	
THICKNESS		Internal	Micron	18	20
			(Gauge)	72	80
FILM DENSITY		D-1505	gm/cc	0.91	0.91
GRAMMAGE		Internal	gm/m ²	16.4	18.2
YIELD		Internal	m ² /kg	61.1	54.9
TREATMENT LEVEL		D-2578	dy/cm	38	
OPTICAL DENSITY (BY TOBIAS)		Internal	-	2.5	
COEFF OF FRICTION	Dynamic	Internal	-	0.35 - 0.45	
TENSILE STRENGTH AT BREAK	MD*	D-882	kgf/cm ²	1250	
	TD*			2600	
ELONGATION AT BREAK	MD*	D-882	%	150 - 200	
	TD*			40 - 90	
HEAT SEAL INITIATION TEMPERATURE @2 bar pressure,1 sec dwell time		Internal	°C	95	
SEALING STRENGTH @ 120°C,2 bar pressure,1 sec dwell time		Internal	gm/25mm	1000	
LINEAR SHRINKAGE (at 120°C/5 mins)	MD*	D-1204	%	< 5.0	
	TD*			< 3.0	
WATER VAPOUR TRANSMISSION RATE (38° C & 90% RH)		F-1249	gm/m ² /day	0.50	
OXYGEN TRANSMISSION RATE (23° C & 0%RH)		D-3985	cc/m ² /day	95	

Note: MD – Machine Direction, TD – Transverse Direction

STORAGE & HANDLING

SGFBOPPTM does not require special storage conditions. It is recommended to storage below 30°C in order to avoid any deterioration of the film surface properties. It is advisable to use the material on FIFO basis. The film should be kept at anperating environment for 24 hours before processing.SGFBOPPTM is best suitable for use within 3 months from date of dispatch.

It is the responsibility of our customers to determine that their use of our products is safe, lawful, and technically suitable in their intended applications. The technical data sheets are provided for discussion purposes only. The customer may not rely on the data provided for any manufacturing purpose. The values provided in the technical data sheet represent typical values based on the best of our knowledge as of the date when the data was compiled. The data is offered solely to provide possible suggestions for your own experimentation and not as a guarantee for the material supplied. The user is solely responsible for the end use of the product and needs to perform their own tests to confirm the product suitability/compatibility in all respects.SGF provides no warranty and accepts no liability for any loss or fitness of the product for any

*TDS issued on 03-12-2025. All previous version of this grade are invalid.

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