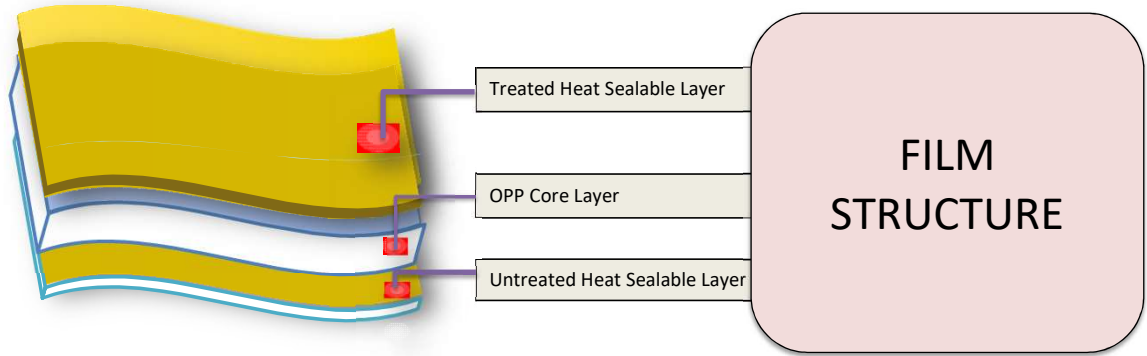


**H1** : Transparent with both side heat sealable and one side corona treated BOPP film.



The big salient feature of SGF BOPP H1 film



Good Sealing properties & high sealing strength



Good printability and suitable for lamination with other substrates



High surface gloss and transparency



Good mechanical properties

**KEY FEATURES:**

- \* Good process ability during machine operation.
- \* Good sealing properties in term of sealing strength.
- \* Good surface tretment retention.
- \* Good optical properties.
- \* Good stiffness & mechanical Properties.

**APPLICATIONS:**

- \* Single / two ply printing lamination.
- \* Confectionery, Bakery & chips packing.
- \* General wrapping.
- \* Flexible packaging.

PROPERTIES		TEST METHOD (ASTM)	UNIT	TECHNICAL DATA								
THICKNESS		Internal	Micron	15	18	20	25	30	35	40	50	53
			(Gauge)	60	72	80	100	120	140	160	200	212
FILM DENSITY		D-1505	gm/cc	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
GRAMMAGE		Internal	gm/m <sup>2</sup>	13.7	16.4	18.2	22.8	27.3	31.9	36.4	45.5	48.2
YIELD		Internal	m <sup>2</sup> /kg	73.3	61.1	54.9	44.0	36.6	31.4	27.5	22.0	20.7
TREATMENT LEVEL		D-2578	dy/cm	38								
HAZE		D-1003	%	2.0 - 2.5								
GLOSS ( AT 45° )		D-2457	%	85 - 90								
Heat Seal Range @2 bar pressure,1 sec dwell time		Internal	°C	105	105	105	106	106	107	107	108	109
Sealing Strength @120°C,2 bar pressure,1 sec dwell time		Internal	gm/25mm	400	425	450	475	500	525	550	575	600
COEFF OF FRICTION	Dynamic	Internal	-	0.30 - 0.40								
TENSILE STRENGTH AT BREAK	MD*	D-882	kgf/cm <sup>2</sup>	1250								
	TD*			2600								
MODULUS OF ELASTICITY	MD*	D-882	kgf/cm <sup>2</sup>	18000								
	TD*			27000								
ELONGATION AT BREAK	MD*	D-882	%	150 - 200								
	TD*			40 - 80								
LINEAR SHRINKAGE (at 120°C/5 mins)	MD*	D-1204	%	< 5.0								
	TD*			< 3.0								

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 6 months from date of dispatch.

**DISCLAIMER**

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 01-06-2023. All previous version of this grade are invalid.

\* SGFBOPP FILMS Manufacturing Facilities in India SURYA GLOBAL FLEXIFILIMS Pvt.Ltd, A-119/1, Sector-29 Yamuna Expressway Industrial Development authority Gautam Buddha Nagar, Uttar pradsh-203201,