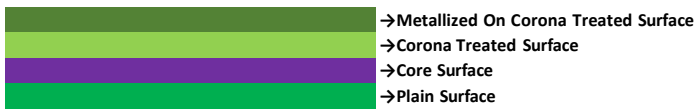




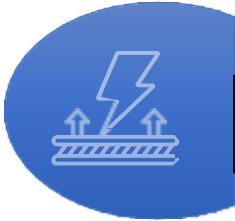
SGF BOPET F-CT-MD
FILM TYPES:
F-CTI-MD → Metallized on corona treated surface wound inside.
F-CTO-MD → Metallized on corona treated surface wound outside.

Metallized On Corona Treated Polyester Film (F-CT-MD)



**FILM
STRUCTURE**

The Big Salient Feature of SGF BOPET Film



Good process ability.



Good stiffness
mechanical
properties

KEY FEATURES:
SGF BOPET F-CT-MD is metallized polyester film suitable for flexible packaging application. Metallization on corona treated surface provides good metal adhesion. This film grade complies with FDA and EC regulations for food packaging.

APPLICATIONS:
Suitable for Printing and Lamination process in flexible packaging applications.



SGF BOPET F-CT-MD
TECHNICAL DATA SHEET

PROPERTIES		TEST METHOD	UNIT	Typical Values					
THICKNESS [NOMINAL] ($\pm 2.5\%$)		SGF-TM	Micron	8.00	10.00	12.00	15.00	19.00	23.00
			(Gauge)	32.00	40.00	48.00	60.00	76.00	92.00
FILM DENSITY		D-1505	gm/cc	1.40	1.40	1.40	1.40	1.40	1.40
GRAMMAGE		SGF-TM	gm/m ²	11.20	14.00	16.80	21.00	26.60	32.20
YIELD		SGF-TM	m ² /kg	89.29	71.43	59.52	47.62	37.59	31.06
Transmission Rate WVTR(38°,90%RH)	OD($\pm 5\%$)-2.2	ASTM-F-1249	gm/m ² /day	≤ 1.50	≤ 1.40	≤ 1.30	≤ 1.30	≤ 1.30	≤ 1.20
	OD($\pm 5\%$)-2.5			≤ 1.30	≤ 1.20	≤ 1.10	≤ 1.10	≤ 1.10	≤ 1.00
	OD($\pm 5\%$)-2.8			≤ 1.20	≤ 1.10	≤ 1.00	≤ 1.00	≤ 1.00	≤ 0.90
Transmission Rate OTR(23°,0%RH)	OD($\pm 5\%$)-2.2	ASTM-D-3985	cc/m ² /day	≤ 1.50	≤ 1.20	≤ 1.20	≤ 1.20	≤ 1.20	≤ 1.10
	OD($\pm 5\%$)-2.5			≤ 1.20	≤ 1.10	≤ 1.10	≤ 1.10	≤ 1.10	≤ 1.00
	OD($\pm 5\%$)-2.8			≤ 1.10	≤ 1.00	≤ 1.00	≤ 1.00	≤ 1.00	≤ 0.90
TENSILE STRENGTH (Min)	MD*	D-882	kg/cm ²	1900	1900	2000	1900	1900	1900
	TD*			1900	1900	2000	2000	2000	2000
ELONGATION (Min)	MD*	D-882	%	100	100	110	110	120	120
	TD*			90	90	100	100	100	100
Shrinkage @ 150° C/30'(Max)	MD*	D-1204	%	2.8	2.4	2.4	2.4	2.4	2.4
	TD*			0.8	0.6	0.6	0.6	0.6	0.6
METAL TO FILM BOND STRENGTH-AVG		SGF-TM	Gm/25mm	150					

Note: MD – Machine Direction, TD – Transverse Direction

STORAGE & HANDLING

SGF BOPET 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. SGF BOPET 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 01-08-2024. All previous version of this grade are invalid.

SGF BOPET 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,