



Sumilon Polyester Limited

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TECHNICAL SPECIFICATION SHEET

SUPET[®]

(BIAXIALLY ORIENTED POLYESTER FILMS)

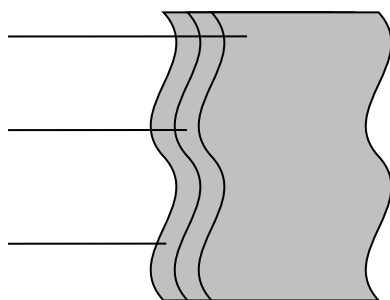
S-550

S-550 grade is a bi-axially oriented twist grade polyester film suitable for twist wrap packaging for confectionery.

Skin Layer
Untreated

Core Layer
Untreated

Skin layer
Untreated



Main Features:

- ❖ Good mechanical and thermal properties.
- ❖ Good optical and thermal properties.
- ❖ Excellent fold retention properties.

Applications:

- ❖ Candy, toffees wrapping (Hot & Cold).
- ❖ Printing, Metallizing and Lamination.

PROPERTIES	TEST METHOD	UNIT	TECHNICAL DATA S-550				
PHYSICAL							
Thickness	ASTM D-374	Micron	12	15	18	23	
Yield	SPTM	m ² /kg	59	47.6	39.7	31	
OPTICAL							
Haze (Max)	ASTM D-1003	%	2.0	2.5	3.0	3.5	
MECHANICAL							
Tensile strength (Min)	MD	ASTM D-882	Kg/cm ²	2200	2200	2000	1900
	TD	ASTM D-882	Kg/cm ²	2200	2200	2000	1900
Elongation (Min)	MD	ASTM D-882	%	100	100	90	90
	TD	ASTM D-882	%	80	80	80	80
Coefficient of friction (Side-A / B) (Max)	ST	ASTM D-1894	-	0.55	0.55	0.55	0.50
	DY	ASTM D-1894	-	0.50	0.50	0.50	0.45
THERMAL							
Shrinkage (MAX) (150°C / 30 min)	MD	ASTM D-1204	%	30	30	30	30
	TD	ASTM D-1204	%	33	33	33	33
SURFACE							
Wetting tension (UT)	ASTM D-2578	Dyne / cm	44 - 46	44 - 46	44 - 46	44 - 46	
BARRIER							
WVTR (38 °C & 90% RH) (Max)	ASTM F-1249-06	gm/m ² /day	45	38	30	27	
OTR (23 °C & 0% RH) (Max)	ASTM D-3985-05	cc/m ² /day	115	92	80	72	

Note: Thickness other than mentioned above can be given on customer requirements.

SPTM: SUMILON POLYESTER TEST METHOD, MD: MACHINE DIRECTION, TD: TRANSVERSE DIRECTION

DISCLAIMER

The values given in this technical datasheet are typical performance data and are believed to be accurate. These are given in good faith but it is for the customer to satisfy of the suitability for its own particular purpose. Sumilon Polyester Films Limited suggests the customer to confirm these values and product compatibility prior to their use and the company offers neither guarantee nor accepts any responsibility for the fitness of the product for any particular use.