



Dead Fold Retainable Grade Polyester Film

(Both side untreated film)

SUPET S-550

Product Description

S-550 grade is a Bi axially Oriented dead fold retainable grade polyester film with no surface treatment. This film is ideal for twist wrap packaging for confectionery. This film is specially designed for high dead fold retention.

Product features

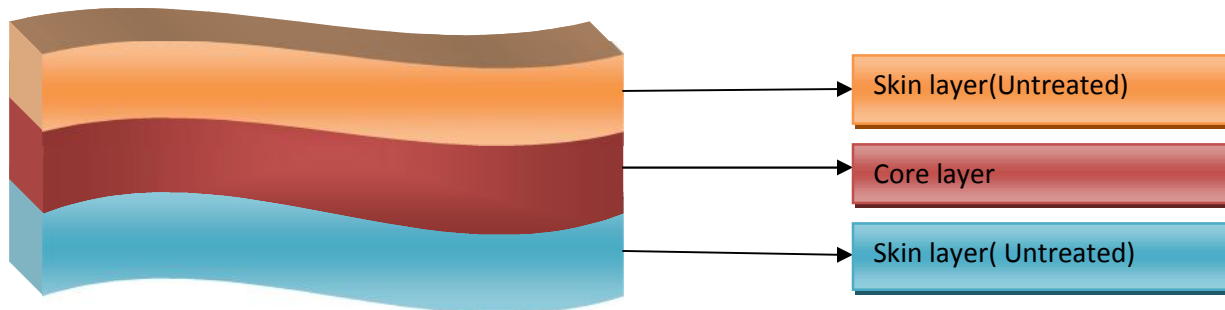
- ❖ Excellent fold retention properties
- ❖ Excellent Optical & thermal properties
- ❖ Excellent mechanical properties
- ❖ Excellent process ability

Product Applications

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

Food Contact

This film complies with US FDA , EC directive & REACH regulation for food packaging.



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ISO 9001:2015
BUREAU VERITAS
Certification





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Technical Specification

Properties	Unit	Test Method	Typical Values				
General Properties							
Thickness	Micron	SPTM	12	15	18	23	
Yield	m ² /kg	SPTM	59	48	40	31	
Mechanical Properties							
Tensile Strength (Min)	MD	Kg/cm ²	ASTM D 882	2200	2200	2200	2100
	TD			2200	2200	2200	2100
Elongation at Break (Min)	MD	%	ASTM D 882	100	100	90	90
	TD			80	80	80	80
Surface Properties							
Coefficient of Friction (Max)	St.	-	ASTM D 1894	0.50	0.50	0.50	0.50
	Dy.			0.45	0.45	0.45	0.45
Wetting Tension on untreated side	Dynes/cm	ASTM D 2578	42	42	42	42	
Optical Properties							
Haze (Max)	%	ASTM D 1003	3.5	3.5	3.5	4.0	
Transmittance (Min)	%	ASTM D 1003	88	88	88	88	
Thermal Properties							
Heat Shrinkage @150°C/30minute (Max)	MD	%	ASTM D 1204	26	26	26	26
	TD			30	30	30	30
Barrier Properties							
WVTR(38°C & 90%RH)	gm/m ² /day	ASTM F 1249	<40	<35	<30	<25	
OTR (23°C & 0 %RH)	cc/m ² /day	ASTM D3985	<135	<120	<100	<175	

MD : Machine direction TD : Transverse direction SPTM : Sumilon Polyester Test Method

Storage & Handling

Rolls are covered by stretch wrap and which may have the chances to attract the dust particles. Use SUPET film on FIFO system and advised to rotate the film stock. The storage hall should be away from flame/ heated substances. Also rolls kept away from the bad weather conditions. The recommended temperature range is 24°C to 35°C with relative humidity of 55-60%. It is recommended that the film should not get exposed to direct Sunlight and water /moisture.

Disposal

Disposal of S-550 does not present special disposal problems. Where waste occurs in a clean, uncontaminated form, it can be recycled. In most circumstances, once S-550 has been laminated, coated, printed or metallized, incineration with Energy Recovery is the most environmentally efficient recovery route. It can also be burned in an incinerator with normal refuse. The disposal method should comply with appropriate local and country.

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 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.

TDS issued on 15/08/2019. All previous version of this grade are invalid.

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