



Transparent Polyester Film for Adhesive tape application

(Both side untreated film)

SUPET S-500

Product Description

S-500 grade is Bi axially Oriented Transparent Polyester film with both side untreated surface. This film is suitable for adhesive tape application.

Product features

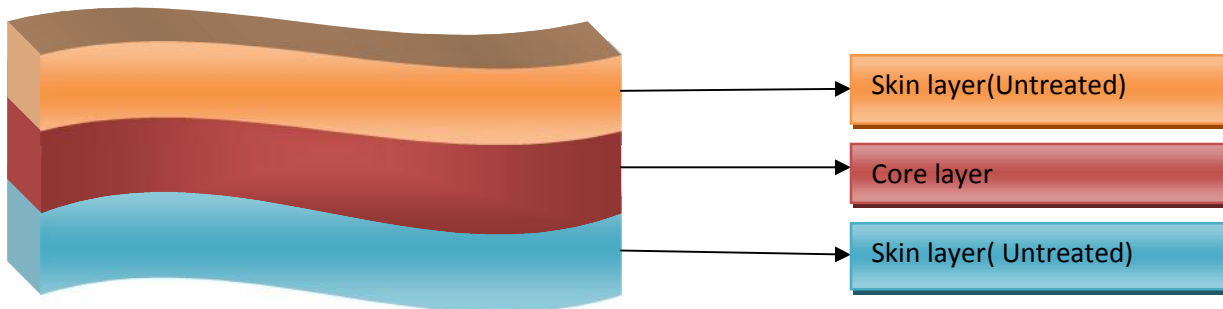
- ❖ One side modified surface for adhesive coating
- ❖ High stiffness
- ❖ Dimensional stability
- ❖ Excellent mechanical properties
- ❖ Excellent process ability

Product Applications

- ❖ Adhesive tape application
- ❖ Extrusion coating & Lamination

Food Contact

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





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Technical Specification

Properties	Unit	Test Method	Typical Values				
General Properties							
Thickness	Micron	SPTM	15	23	36	50	
Yield	m ² /kg	SPTM	48	31	20	14	
Mechanical Properties							
Tensile Strength (Min)	MD	Kg/cm ²	ASTM D 882	2100	2100	1900	1900
	TD			2000	2000	1900	1900
Elongation at Break (Min)	MD	%	ASTM D 882	90	110	110	110
	TD			90	100	100	100
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	4.0	5.0	6.0	7.0
Transmittance(Min)		%	ASTM D 1003	88	88	88	88
Thermal Properties							
Heat Shrinkage @150°C/30minute (Max)	MD	%	ASTM D 1204	2.0	2.0	2.0	2.0
	TD			0.0	0.0	0.0	0.0
Barrier Properties							
WVTR(38°C& 90%RH)		gm/m ² /day	ASTM F 1249	<35	<25	<22	<18
OTR (23°C & 0 %RH)		cc/m ² /day	ASTM D3985	<120	<75	<55	<45

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-500 does not present special disposal problems. Where waste occurs in a clean, uncontaminated form, it can be recycled. In most circumstances, once S-500 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.