Easy Stackable Polyester Film

(One side high friction & other side untreated film)

SUPET S-107

Product Description

S-107 grade is a Bi axially Oriented Transparent Polyester film with one side modified high friction surface suitable for stacking the bulk pack & other side untreated provide adhesion with ink and adhesive.

Product features

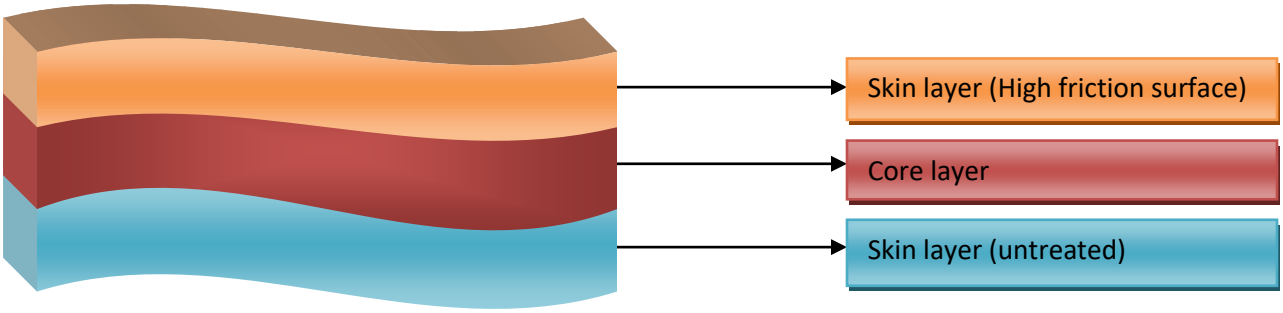
- Modified surface with high friction properties
- Prevent slippage to improve stacking properties
- Excellent surface for printing & lamination

Product Applications

- Stackable bulk packaging for bags, pouches

Food Contact

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



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WORKS: 43/P NH-8A, Village Varsana, Talq. Anjar, Gandhidham-370201, Gujarat (India). Phone No.: +91-2836-324900

ISO 9001:2015 BUREAU VERITAS Certification

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Technical Specification

Properties		Unit	Test Method	Typical Values	
General Properties					
Thickness		Micron Gauge	SITM	**12** **48**	**23** **92**
Yield		m^2/kg	SITM	59	31
Grammage		gm/m^2	SITM	16.8	32.2
Density		gm/cm^3	SITM	1.4	1.4
Mechanical Properties					
Tensile Strength (Min)	MD	Kg/cm^2 Kpsi	ASTM D 882	2100 30	2100 30
	TD			2000 28	2000 28
Elongation at Break (Min)	MD	%	ASTM D 882	90	110
	TD			90	100
Surface Properties					
Coefficient of Friction (High friction to high friction)	St.	-	ASTM D 1894	Block	Block
	Dy.			Block	Block
Wetting Tension on untreated side		Dynes/cm	ASTM D 2578	42	42
Optical Properties					
Haze (Max)		%	ASTM D 1003	3.5	4.0
Transmittance(Min)		%	ASTM D 1003	88	88
Thermal Properties					
Heat Shrinkage @150°C/30minute (Max)	MD	%	ASTM D 1204	2.4	2.4
	TD			0.4	0.4
Barrier Properties					
WVTR (38°C& 90%RH)		$gm/m^2/day$ $gm/100in^2/d$	ASTM F 1249	<45 <2.9	<25 <1.6
OTR (23°C & 0 %RH)		$cc/m^2/day$ $cc/100in^2/d$	ASTM D3985	<135 <8.7	<75 <4.8

MD: Machine direction **TD:** Transverse direction **SPTM:** Saj Industries Test Method

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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 is below 35°C with relative humidity of 55-60%. It is recommended that the film should not get exposed to direct Sunlight and water /moisture. This film is suitable for use one year from the date of manufacturing if store in recommended storage condition, afterward Sumilon will not accept any responsibility.

Disposal

Disposal of S-107 does not present special disposal problems. Where waste occurs in a clean, uncontaminated form, it can be recycled. In most circumstances, once S-107 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. Saj Industries Pvt. Ltd. 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 05.04.2023. All previous version of this grade are invalid.

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