



Matte Finish Polyester Film

(Both side untreated film)

SUPET S-111

Product Description

S-111 grade is a Bi axially Oriented polyester with both side matte effect .This film is both side untreated.

Product features

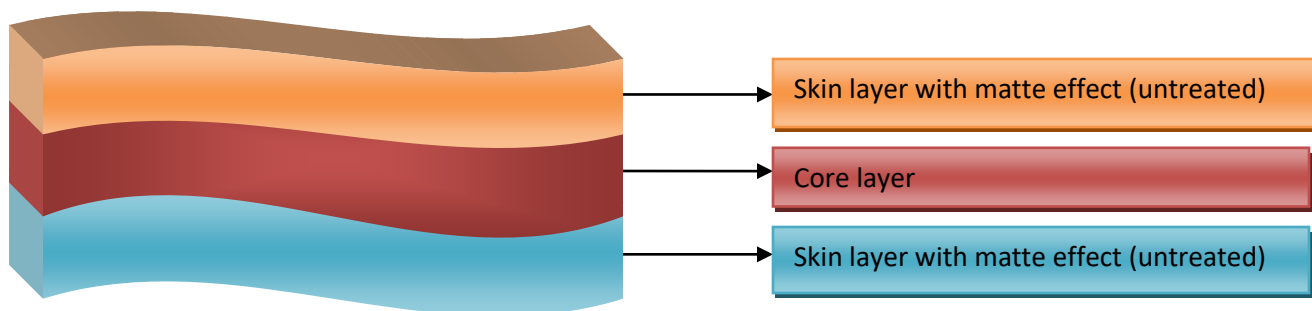
- ❖ Excellent matte effect
- ❖ Dimensional stability
- ❖ Excellent mechanical properties
- ❖ Ensure excellent process ability

Product Applications

- ❖ Flexible packaging application, Metalizing
- ❖ Used for thermal, paper board, digital lamination
- ❖ Used for label application

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





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Technical Specification

Properties		Unit	Test Method	Typical Values	
General Properties					
Thickness		Micron Gauge	SITM	12 48	50 200
Yield		m ² /kg	SITM	59	14
Grammage		gm/m ²	SITM	16.8	70.0
Density		gm/cm ³	SITM	1.4	1.4
Mechanical Properties					
Tensile Strength (Min)	MD	Kg/cm ²	ASTM D 882	2000 28	1800 26
	TD			1900 27	1800 26
Elongation at Break (Min)	MD	%	ASTM D 882	90	110
	TD			90	100
Surface Properties					
Coefficient of Friction (Max)	St.	-	ASTM D 1894	0.45	0.45
	Dy.			0.40	0.40
Wetting Tension on untreated side		Dynes/cm	ASTM D 2578	42	42
Optical Properties					
Haze (Min)		%	ASTM D 1003	45	78
Gloss(Min)		%	ASTM D 1003	40	40
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	<40 <2.6	<18 <1.2
OTR (23°C & 0 %RH)		cc/m ² /day cc/100in ² /d	ASTM D3985	<135 <8.7	<45 <2.9

MD: Machine direction **TD:** Transverse direction **SITM:** 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-111 does not present special disposal problems. Where waste occurs in a clean, uncontaminated form, it can be recycled. In most circumstances, once S-111 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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