Metallized Polyester Film

(Metalized on untreated side)

SUPET SM-101

(Provisional)

Product Description

SM-101 grade a Bi axially Oriented metallized polyester film. The film is both side metallized on untreated sides. The film possess good mechanical, surface & thermal properties.

Product features

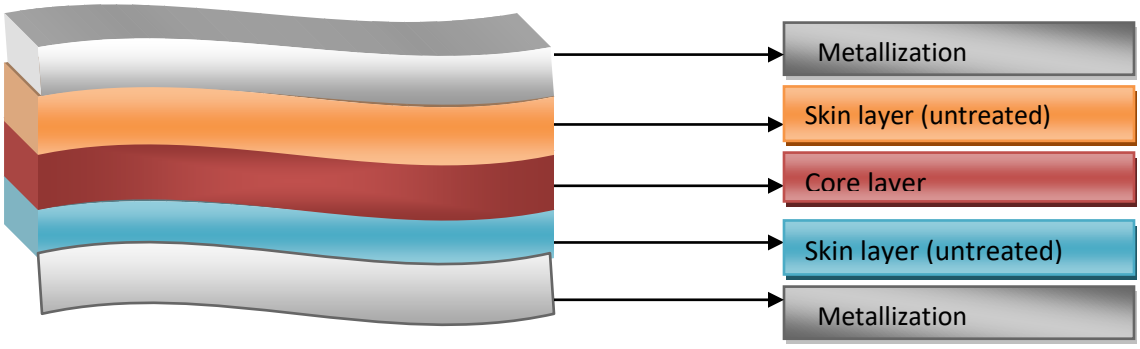
- Good Lamination strength
- Good Metal bond strength
- Excellent process ability

Product Applications

- Flexible packaging i. e printing ,coating , lamination
- Decorative application

Food Contact

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



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ISO 9001:2015
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Technical Specification

Properties		Unit	Test Method	Typical Values
General Properties				
Thickness		Micron Gauge	SITM	**6.0** **24**
Yield		m^2/kg	SITM	119
Grammage		gm/m^2	SITM	8.4
Density		gm/cm^3	SITM	1.4
Mechanical Properties				
Tensile Strength (Min)	MD	Kg/cm^2 Kpsi	ASTM D 882	2100 30
	TD			2000 28
Elongation at Break (Min)	MD	%	ASTM D 882	90
	TD			90
Surface Properties				
Coefficient of Friction (Max)	St	-	ASTM D 1894	0.65
	Dy			0.60
Wetting Tension on metal side (Min)		Dynes/cm	ASTM D 2578	56
Thermal Properties				
Heat Shrinkage @150^{0}C/30min. (Max)	MD	%	ASTM D 1204	3.2
	TD			1.2
Barrier Properties of 2.2 Optical Density				
WVTR (38°C & 90%RH)		$gm/m^2/day$	ASTM F 1249	--
OTR (23°C & 0 %RH)		$cc/m^2/day$	ASTM D3985	--

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.SM-101is suitable for use within six month from the date of manufacturing if store in recommended storage condition.

Disposal:

Disposal of SM-101 does not present special disposal problems. Where waste occurs in a clean, uncontaminated form, it can be recycled. In most circumstances, once SM-101 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 10.04.2023. All previous version of this grade are invalid.

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