



Copolymer Coated Polyester Film

(One side chemical coated & other side corona treated film)

SUPET S-252

Product Description

S-252grade is a Bi axially Oriented Transparent polyester film with one side chemical coated & other side corona treated . The film possess good Mechanical, Surface & Thermal properties for flexible packaging application.

Product features

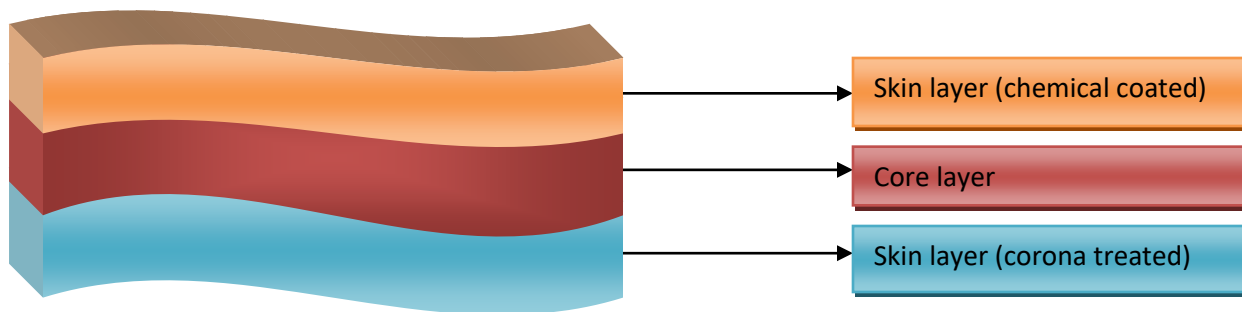
- ❖ Excellent surface for printing & lamination
- ❖ Dimensional stability
- ❖ Ensure excellent process ability

Product Applications

- ❖ Flexible packaging application
- ❖ Metallizing (good metal bond strength)
- ❖ Not suitable for Hot filled, sterilization, Pasteurization

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 Gauge	SITM	8 32	10 40	12 48	15 60	19 76	23 92	36 144	50 200	75 300	
Yield		m²/kg	SITM	89	71	59	48	38	31	20	14	9.5	
Grammage		gm/m²	SITM	11.2	14.0	16.8	21.0	26.6	32.2	50.4	70.0	105.0	
Density		gm/cm³	SITM	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
Mechanical Properties													
Tensile Strength (Min)		MD	Kg/cm² Kpsi	ASTM D 882	2100 30	2100 30	2100 30	2100 30	2100 30	2100 30	1900 27	1900 27	1800 26
		TD			2000 28	2000 28	2000 28	2000 28	2000 28	2000 28	1900 27	1900 27	1800 26
Elongation at Break (Min)		MD	%	ASTM D 882	90	90	90	90	90	110	110	110	120
		TD			90	90	90	90	90	100	100	100	110
Surface Properties													
Coefficient of Friction (Max)		St.	-	ASTM D 1894	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.45
		Dy.			0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
Wetting tension	Coated side		Dynes/cm	ASTM D 2578	54+	54+	54+	54+	54+	54+	54+	54+	54+
	Treated side				52+	52+	52+	52+	52+	52+	52+	52+	52+
Optical Properties													
Haze (Max)		%	ASTM D 1003	3.0	3.0	3.5	3.5	3.5	4.0	4.5	5.0	7.0	
Transmittance(Min)		%	ASTM D 1003	88	88	88	88	88	88	88	88	88	
Thermal Properties													
Heat Shrinkage @150°C/30minute (Max)		MD	%	ASTM D 1204	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
		TD			0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Barrier Properties													
WVTR(38°C& 90%RH)		gm/m²/d gm/100in²/d	ASTM F 1249	<65 <4.2	<45 <2.9	<40 <2.6	<35 <2.3	<30 <1.9	<25 <1.6	<22 <1.4	<18 <1.2	<15 <1.0	
OTR (23°C & 0 %RH)		cc/m²/day cc/100in²/d	ASTM D3985	<145 <9.4	<135 <8.7	<135 <8.7	<120 <7.7	<95 <6.1	<75 <4.8	<55 <3.5	<45 <2.9	<35 <2.3	

MD: Machine direction **TD:** Transverse direction **SITM:** Saj Industries Test Method.

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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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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 are 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-252 does not present special disposal problems. Where waste occurs in a clean, uncontaminated form, it can be recycled. In most circumstances, once S-252 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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