Matte Finish Copolymer Coated Polyester

(One side Chemical coated other side corona treated film)

SUPET S-114

Product Description

S-114 grade is a Bi axially Oriented Transparent Polyester film with both side matte effect .This film is one side Chemical coated & other side corona treated.

Product features

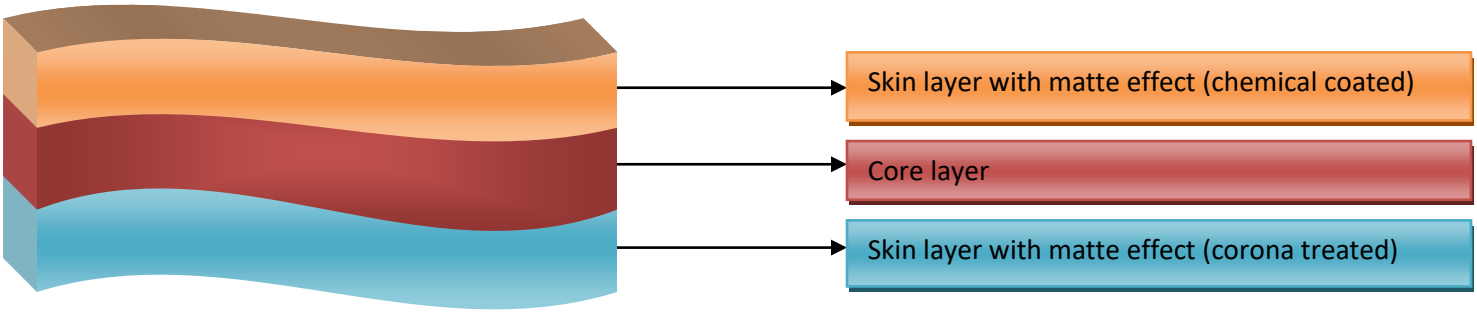
- Excellent matte effect
- Dimensional stability
- Excellent mechanical properties
- Ensure excellent process ability

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.



Head Office : 6/121 A-1, Paiki, Plot no.8, First floor,Vairagini wadi,Delhi gate Surat-395003,Gujarat , INDIA
TEL. NO: +91-261– 2441122 / 6797979, FAX NO: +91-261-2442952 , **web: www.sumilon.com**

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

ISO 9001:2015 BUREAU VERITAS Certification

Matte Finish Copolymer Coated Polyester

(One side Chemical coated other side corona treated film)

SUPET S-114

Technical Specification

Properties		Unit	Test Method	Typical Values					
General Properties									
Thickness		Micron Gauge	SITM	**12 48**	**15 60**	**19 76**	**23 92**	**36 144**	**50 200**
Yield		m^2/kg	SITM	59	48	38	31	20	14
Grammage		gm/m^2	SITM	16.8	21.0	26.6	32.2	50.4	70.0
Density		gm/cm^3	SITM	1.4	1.4	1.4	1.4	1.4	1.4
Mechanical Properties									
Tensile Strength (Min)	MD	Kg/cm^2 Kpsi	ASTM D 882	2000 28	2000 28	2000 28	2000 28	1900 27	1800 26
	TD			1900 27	2000 28	2000 28	2000 28	1900 27	1800 26
Elongation at Break (Min)	MD	%	ASTM D 882	90	90	90	110	110	110
	TD			90	90	90	100	100	100
Surface Properties									
Coefficient of Friction (Max)	St.	-	ASTM D 1894	0.45	0.45	0.45	0.45	0.45	0.45
	Dy.			0.40	0.40	0.40	0.40	0.40	0.40
Wetting Tension	Coated	Dynes/cm	ASTM D 2578	54+	54+	54+	54+	54+	54+
	Treated			52+	52+	52+	52+	52+	52+
Optical Properties									
Haze (Min)		%	ASTM D 1003	45	45	48	50	60	78
Gloss(Min)		%	ASTM D 1003	40	40	40	40	40	40
Thermal Properties									
Heat Shrinkage @150^{0}C/30minute (Max)	MD	%	ASTM D 1204	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
Barrier Properties									
WVTR (38°C& 90%RH)		$gm/m^2/day$ $gm/100in^2/d$	ASTM F 1249	<40 <2.6	<35 <2.3	<30 <1.9	<25 <1.6	<22 <1.4	<18 <1.2
OTR (23°C & 0 %RH)		$cc/m^2/day$ $cc/100in^2/d$	ASTM D3985	<135 <8.7	<120 <7.8	<95 <6.2	<75 <4.9	<55 <3.6	<45 <2.9

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

Head Office : 6/121 A-1, Paiki, Plot no.8, First floor,Vairagini wadi,Delhi gate Surat-395003,Gujarat , INDIA
TEL. NO: +91-261– 2441122 / 6797979, FAX NO: +91-261-2442952 , **web: www.sumilon.com**

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

ISO 9001:2015 BUREAU VERITAS Certification

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-114 does not present special disposal problems. Where waste occurs in a clean, uncontaminated form, it can be recycled. In most circumstances, once S-114 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 05.04.2023. All previous version of this grade are invalid.

Head Office : 6/121 A-1, Paiki, Plot no.8, First floor,Vairagini wadi,Delhi gate Surat-395003,Gujarat , INDIA
TEL. NO: +91-261– 2441122 / 6797979, FAX NO: +91-261-2442952 , **web: www.sumilon.com**

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

ISO 9001:2015
BUREAU VERITAS
Certification