



TECHNICAL DATA SHEET

UB-41 Film is the non-breathable film which the main material is polyethylene compounded with Calcium carbonate(CaCO_3). It helps water resistant and impermeable.

FEATURE

- 1) UB-41 is non-breathable film which is a thin water-resistant film with a smooth texture film.
- 2) it has non-porous structures which restrict liquid flow.

USE Backsheet in various sanitary products like sanitary napkin.

General Physical property of PE NON-BREATHABLE FILM

Description		Unit	Specification			Test Method
Width		mm	Order +5,-0			UPI Method
Length		m	Order 0,+3%			
Thickness		um	20±7%	24±7%	27±7%	
Grammage			18±2	22±2	25±2	
Tensile Strength	MD	N/25mm	≥ 8	≥ 15	≥ 20	ASTM D 882 /JIS K 7127
	TD		≥ 6	≥ 8	≥ 10	
Elongation at Break	MD	%	≥ 250	≥ 250	≥ 300	
	TD		≥ 300	≥ 300	≥ 600	
Kinetic COF : Non Treated side		-	≥ 0.4			ASTM D 1894/JIS K 7125
Opacity		%	≥35			ASTM E 313
Corona Treated :	Non-Treated	Dynes	None			UPI Method
	Inside-Treated		38-42			
Color of Film		-	White			
Gel	Number	pcs./m ²	10			
	Size Ø	mm	0.5-1.0			
Black spot	Number	pcs./m ²	5			
	Size Ø	mm	0.1-0.5			
Fish eye	Number	pcs./m ²	5			
	Size Ø	mm	0.5-1.0			

Note :

Raw Material : Liner Low Density Polyethylene, Calcium carbonate, Co-polyethylene, White master batch, Processing aid

Statutory and regulatory : Complies with U.S. FDA : 21 CFR part 177.1520, RoHS, Commission Regulation (EU) No 10/2011.

The Notification of the Ministry of Public Health (No.435) B.E. 2565 (2022)

Updated Date : 13/5/2026

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FM-RND-027 Rev.00

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Appearance :	The film shall be uniform ; free of pin hole , foreign matter and streaks.
Storage :	Store in dry place, high temperature not over 40 °C, keep away from direct sunlight, high moisture and fuel gas from LPG gas.
Product guarantee :	The physical properties is not over a year. The change in color of film The change in color of film or appearance is not over six months. The corona treatment and COF property is not over three months from the date of manufacture.

Roll Characteristics.

Width tolerance	:	(+5, -0)mm.(measure on film)
Internal Core diameter	:	76 (+3 , -0) mm.
Joint	:	1 for 20% maximum of total delivery.
Number of joint	:	Maximum 1 joint/roll with red tape.
Film Appearance	:	The film shall be uniform ; free of pin hole , foreign matter and streaks. No creasing , no swollen roll. No corrugation , no blocking. Misalignment is not over 2 mm.

Packaging.

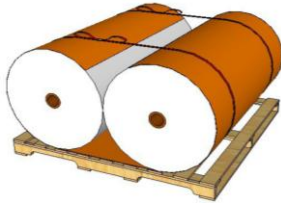
☐ A

☐ B

☐ C

☐ D

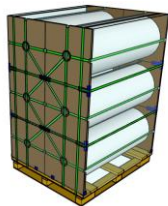
A . Horizontal for laminate film



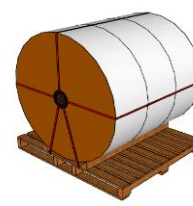
B. Vertical for laminate film



C. Hanging horizontal for shipping and airfreight



D. Horizontal for Heavy duty sack



Roll Identification:

Each roll is identified with label sticked on the roll.

There is information including customer name , width , length , thickness , weight , corona treatment , etc.

The production history can monitor on batch number 15 digits described below;

AA	BB	CC	DDDDDD	- EEE
↓	↓	↓	↓	↓
Type of sale order	Production year	Production month	Number of sale order	Roll Number

Approved by (Customer) :
Position :
Company :
Date :