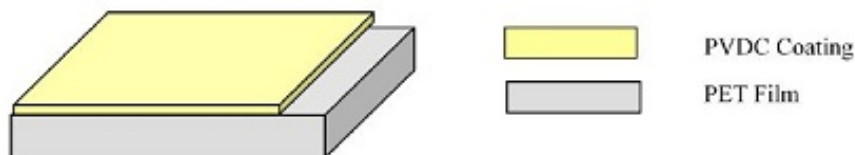


## BOPET FILM

Version No.: 632/ 1.2

Date: 01 Apr 2022

**Sarafil VCS2500** is transparent barrier Polyester film with one side PVDC coated designed for high barrier flexible packaging applications. It has good moisture, oxygen and aroma barrier suitable for "see-through" packaging structure. It is suitable for product requiring extended shelf life applications like packaging of dairy products, meat, biscuits, coffee etc, typical uses as an outer layer of MAP packages. It can be laminated using one or two components, solvent base, & solvent less based adhesives. PVDC sides can be printed with appropriately formulated inks. Extrusion coating on PVDC side requires a suitable Primer. It has good mechanical properties, high Clarity and Gloss for self-appeal.



**MICRON(GAUGE)**

13.5 (54)

**TYPE**

**VCS2500I**

Barrier Coated PET film-Coating wound inside

**VCS2500O**

Barrier Coated PET film-Coating wound outside

PROPERTIES	TEST METHOD	UNIT	13.5(54) MICRON (GAUGE)
<b>TYPICAL VALUES</b>			
NOMINAL THICKNESS	Polyplex Method	Micron	13.5
		Gauge	54
YIELD	Polyplex Method	m <sup>2</sup> /kg	51.8
		in <sup>2</sup> /lb	36500
GRAMMAGE (GSM)	Polyplex Method	gm/m <sup>2</sup>	19.3
<b>MECHANICAL PROPERTIES</b>			
<b>TENSILE STRENGTH</b>			
MD	ASTM D-882	kg/cm <sup>2</sup>	2200
		kpsi	31.5
TD	ASTM D-882	kg/cm <sup>2</sup>	2300

PROPERTIES	TEST METHOD	UNIT	13.5(54) MICRON (GAUGE)
TD	ASTM D-882	kpsi	32.9
<b>ELONGATION AT BREAK</b>			
MD	ASTM D-882	%	130
TD	ASTM D-882	%	125
<b>THERMAL PROPERTIES</b>			
<b>HEAT SHRINKAGE (AT 150 DEG. C FOR 30 MIN)</b>			
MD	ASTM D-1204	%	2.0
TD	ASTM D-1204	%	0.2
<b>SURFACE PROPERTIES</b>			
<b>CO-EFFICIENT OF FRICTION, (A/B)</b>			
STATIC	ASTM D-1894		0.65
DYNAMIC	ASTM D-1894		0.55
<b>SURFACE TENSION</b>			
COATED SIDE	ASTM D-2578	Dyne/cm	56
<b>OPTICAL PROPERTIES</b>			
HAZE	ASTM D-1003	%	4.5
<b>BARRIER PROPERTIES</b>			
WVTR, 37.7 DEG 90% RH	ASTM F-1249	g/m <sup>2</sup> /day	≤8
OTR (23 °C & 0% RH)	ASTM D-3985	cc/m <sup>2</sup> /day	≤8

Note: Above properties can be changed to meet the specific requirement of customers.

#### Guidelines-

- Sarafil VC series of PVDC coated films can be used in pasteurization applications without loss of clarity and barrier performance. However, It is important to conduct confirmatory tests to determine final suitability for any specific end uses.
- PVDC film roll should be stored at ambient temperature and exposure to UV/Warm light should be avoided.