

Quality Specification

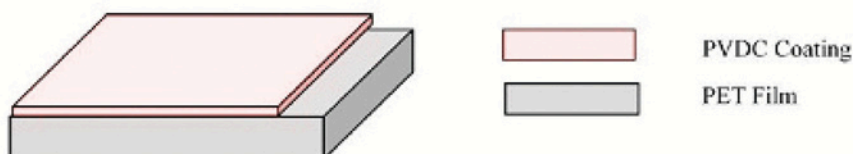
BOPET FILM

Version No.: 992/ 0.1

Date: 25 May 2016

PX-SAR-VCS2500-PVDC-HGHBAR

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

PROPERTIES	TEST METHOD	UNIT	13.5(54) MICRON (GAUGE)
TYPICAL VALUES			
NOMINAL THICKNESS	PHC Method	Micron	13.5 Min:12.8 Max:14.2
		Gauge	54 Min:51.3 Max:56.7
YIELD	PHC Method	m2/kg	51.8 Min:49.2 Max:54.4
		in2/lb	36500 Min:34700 Max:38300
GRAMMAGE (GSM)	PHC Method	gm/m2	19.3 Min:18.3 Max:20.3
MECHANICAL PROPERTIES			

PX-SAR-VCS2500-PVDC-HGHBAR

PROPERTIES	TEST METHOD	UNIT	13.5(54) MICRON (GAUGE)
TENSILE STRENGTH			
MD	ASTM D-882	kg/cm2	2200 Min:1900 Max:2500
		kpsi	31.5 Min:27.0 Max:35.6
TD	ASTM D-882	kg/cm2	2300 Min:1900 Max:2500
		kpsi	32.9 Min:27.0 Max:35.6
ELONGATION AT BREAK			
MD	ASTM D-882	%	130 Min:90 Max:150
TD	ASTM D-882	%	125 Min:90 Max:150
THERMAL PROPERTIES			
HEAT SHRINKAGE (AT 150 DEG. C FOR 30 MIN)			
MD	ASTM D-1204	%	2.0 Min:1.5 Max:2.5
TD	ASTM D-1204	%	0.2 Min:-0.6 Max:0.6
SURFACE PROPERTIES			
CO-EFFICIENT OF FRICTION, (Side A/ Side B)			
STATIC	ASTM D-1894		0.65 Min:0.55 Max:0.75
DYNAMIC	ASTM D-1894		0.55 Min:0.45 Max:0.65
SURFACE TENSION			
COATED SIDE	ASTM D-2578	Dyne/cm	56 Min:54 Max:58
OPTICAL PROPERTIES			

PX-SAR-VCS2500-PVDC-HGHBAR

PROPERTIES	TEST METHOD	UNIT	13.5(54) MICRON (GAUGE)
HAZE	ASTM D-1003	%	4.5 Min:3.5 Max:5.5
BARRIER PROPERTIES			
WVTR, 37.7 DEG 90% RH	ASTM F-1249	g/m2/day	≤8 Min:N/A Max:8.0
OTR (23 °C & 0% RH)	ASTM D-3985	cc/m2/day	≤8 Min:N/A Max:8.0

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.