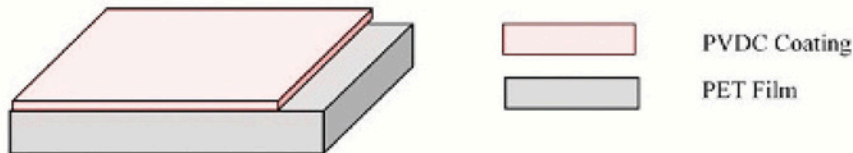


PX-SAR-VCS2000-PVDC-TRANS

Sarafil VCS2000 is transparent barrier Polyester film is a 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)	13.2, 10.2, 11.2, 12.2 (53, 41, 45, 49)	
TYPE	VCS2000O	Barrier Coated Polyester film-Coating wound outside
	VCS2000I	Barrier Coated Polyester film-Coating wound inside

PROPERTIES	TEST METHOD	UNIT	10.2(41) MICRON (GAUGE)	11.2(45) MICRON (GAUGE)	12.2(49) MICRON (GAUGE)	13.2(53) MICRON (GAUGE)
TYPICAL VALUES						
NOMINAL THICKNESS	Polyplex Method	Micron	10.2	11.2	12.2	13.2
YIELD	Polyplex Method	m2/kg	68.5	62.5	57.5	53.2
GRAMMAGE (GSM)	Polyplex Method	gm/m2	14.6	16.0	17.4	18.8
MECHANICAL PROPERTIES						
TENSILE STRENGTH						
MD	ASTM D-882	kg/cm2	2000	2200	2200	2200
		kpsi	28.6	31.5	31.5	31.5
TD	ASTM D-882	kg/cm2	2100	2300	2300	2300
		kpsi	30.0	32.9	32.9	32.9

PX-SAR-VCS2000-PVDC-TRANS

PROPERTIES	TEST METHOD	UNIT	10.2(41) MICRON (GAUGE)	11.2(45) MICRON (GAUGE)	12.2(49) MICRON (GAUGE)	13.2(53) MICRON (GAUGE)
ELONGATION AT BREAK						
MD	ASTM D-882	%	125	130	130	130
TD	ASTM D-882	%	120	125	125	125
THERMAL PROPERTIES						
HEAT SHRINKAGE (AT 150 DEG. C FOR 30 MIN)						
MD	ASTM D-1204	%	2.0	2.0	2.0	2.0
TD	ASTM D-1204	%	0.2	0.2	0.2	0.2
SURFACE PROPERTIES						
SURFACE TENSION	ASTM D-2578	Dyne/cm	56	56	56	56
CO-EFFICIENT OF FRICTION, (Side A/ Side B)						
STATIC	ASTM D-1894		0.65	0.65	0.65	0.65
DYNAMIC	ASTM D-1894		0.55	0.55	0.55	0.55
OPTICAL PROPERTIES						
HAZE	ASTM D-1003	%	4.5	4.5	4.5	4.5
BARRIER PROPERTIES						
WVTR, 37.7 DEG 90% RH	ASTM F-1249	g/m2/day	8	8	8	8
OTR (23 °C & 0% RH)	ASTM D-3985	cc/m2/day	8	8	8	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.