

PressSense DuraKlear Coated BOPP-P material is one side is acrylic coated, and the other side is PVdC coated. It is suitable as plain, surface printed monolayer or reverse printing in laminations.

Applications

It can be used as a single film or in laminate structures that demand outstanding barrier properties to water vapor, gases, and aroma.

Food Contact

PressSense Films comply with the requirement of EC, FDA & REACH regulations. Specific documents are available upon request.

Characteristics

Suitable for printing with a wide variety of printing processes like rotogravure and flexography

Outstanding optical properties, gloss, and transparency.

Excellent barrier to water vapor, gases, and aromas. PVdC enhances the sealing properties, whereas the acrylic side improves printability.

Excellent dimensional stability, stiffness, and mechanical properties.

Typical Values

PROPERTIES	UNIT	TEST METHOD	28	38	41	53
Nominal Thickness	Micron	Internal Method	28	38	41	53
	Gauge		112	152	164	212
	Mil		1.12	1.52	1.64	2.12
Unit Weight(± 5%)	gm/m ²		25.4	35.5	38.2	49.2
	lbs/ream		15.6	21.7	23.7	30
Yield	m ² /kg		39.9	28	26.1	20.3
	in ² /lb		27630	19685	18350	14290

MECHANICAL PROPERTIES

Tensile Strength	MD	kg/cm²	ASTM D-882	1245 – 1550
	TD			2650-3000
	MD	psi		17685-22018
	TD			37643-42615
Elongation Break	MD	%	ASTM D-882	140-220
	TD			40-90

THERMAL PROPERTIES

Thermal Shrinkage (at 120°C /5 mins)	MD	%	ASTM D-1204	2.5-5.0
	TD			1.0-3.0
Seal initiation temperature	AC/AC PVDC/PVDC	°C	Internal Method	95
Heat seal strength (at 120°C/2 Bar/1 sec)	AC/AC PVDC/PVDC	gm/25mm	Internal Method	105
				>450
				>400

SURFACE PROPERTIES

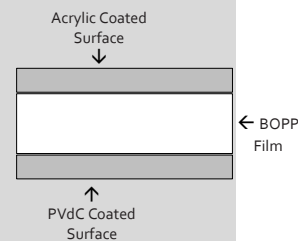
COF (Dynamic)	AC/AC PVDC/PVDC	-	ASTM D-1894	0.25 - 0.35
				0.35-0.45
Surface Tension	Coated side	Dynes/cm	ASTM D-2578	> 38

OPTICAL PROPERTIES

Haze(max.)	%	ASTM D-1003	2.0-2.5
Gloss(45°)	Gardener	ASTM D-2457	100-105

BARRIER PROPERTIES

WVTR,38°C, 90% RH (max)	gm/m ² /day	ASTM F-1249	4.0	3.5	3.0	2.7
	gm/100in ² /day		.026	0.22	0.19	0.17
OTR,23°C, 0% RH (max)	cc/m ² /day	ASTM D-3985	30	30	30	30
	cc/100in ² /day		1.9	1.9	1.9	1.9



Typical properties should be referenced as a general guide, not as a guarantee. Testing should be completed on material based on individual customer systems, efficiencies, temperatures and applications as properties can change based on customer production methods.