

Product Characteristics For

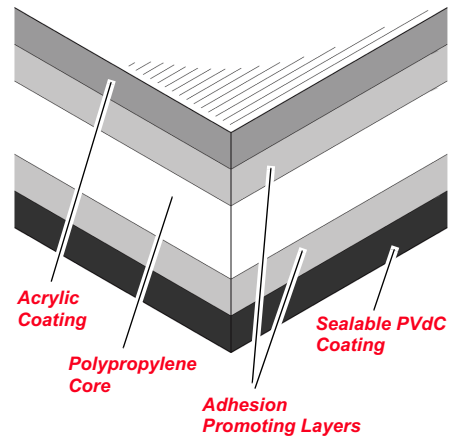
Bicor[®] ASB-X

Description

Bicor ASB-X is a two-side coated, sealable OPP film designed for broad use in many applications, including overwrap, horizontal, and vertical packaging. This film is suitable as an unsupported web or in lamination. It can be surface printed, reverse printed, or used unprinted.

Key Performance Characteristics

- Outstanding optical properties
- Superior machinability
 - ◆ Low and consistent COF
- Excellent flavor and aroma barrier
- Excellent heat seal strength and hot tack
- Good moisture and oxygen barriers



Available Gauges

Product	Gauge (mil)	Gauge (micron)	Yield (in ² /lb)	Yield (m ² /kg)
110 ASB-X	1.07	27	26,600	37.8
150 ASB-X	1.50	38	19,500	27.7
170 ASB-X	1.70	43	17,500	24.9
210 ASB-X	2.10	53	14,000	19.9

Typical Uses

Adhesive Lamination

- ◆ AB/Ink/Adhesive/ASB-X
- ◆ AB-X/Ink/Adhesive/ASB-X
- ◆ ASB-X/Ink/Adhesive/ASB-X
- ◆ ASB-X/Ink/Adhesive/BSM-2 (fin only)
- ◆ ASB-X/Ink/Adhesive/OHD (fin only)

Unsupported

- ◆ Ink/ASB-X
- ◆ OL/Ink/ASB-X
- ◆ Plain ASB-X

Important Considerations

- 1 ASB-X is designed for horizontal, vertical, and overwrap applications.
- 2 ASB-X is primarily used as a single web, plain or printed, but can also be used in laminations.
- 3 ASB-X is good for heavy dump VFFS applications (e.g., bulk tortillas) due to its excellent hot tack and seal strength.
- 4 ASB-X provides a moderate oxygen barrier and an excellent flavor and aroma barrier.
- 5 ASB-X is lap sealable to itself.
- 6 Acrylic coating and its properties are not affected by humidity, but may be disturbed by water condensation. Thorough testing is recommended when considering acrylic-coated films in refrigerated or frozen applications.
- 7 Acrylic coating must be primed if used in extrusion lamination.
- 8 With PVdC coating, priming or treating is recommended for stronger extrusion bonds.

- 9 Acrylic is an excellent surface for solvent- or water-based inks, adhesives, and code-dating (cold wet or hot stamp) without treatment.
- 10 To avoid blocking, ghosting, high residual solvents, or decreased sealability, converters should eliminate the use of slow solvents (cellosolve, glycol ethers, MIBK, butanol, etc.) when printing on acrylic surfaces. The use of esters should be minimized.

Properties

Property	Units	Test Proc. #	110 ASB-X	150 ASB-X	170 ASB-X	210 ASB-X
Average Values of Critical Properties						
Yield	in ² /lb	520	26,600	19,500	17,500	14,000
	m ² /kg	520	37.8	27.7	24.9	19.9
Unit Weight	lb/ream	520	16.2	22.2	24.7	30.9
	g/m ²	520	26.5	36.1	40.2	50.3
Haze	%	444	1.2	1.3	1.4	1.5
COF acrylic/acrylic		428	.23	.23	.23	.23
Crimp Seal Strength PVdC/PVdC @ 260°F, 20 psi, ¼ sec @ 127°C, 1.4 bars, .75 s	g/in	490	650	750	800	850
	g/2.5 cm	490	650	750	800	850
Descriptive Properties						
Gauge	mil	nominal	1.07	1.50	1.70	2.10
	micron	nominal	27	38	43	53
Tensile Strength	MD	lb/in ²	510	20,000	18,000	17,000
		N/mm ²	510	140	125	120
	TD	lb/in ²	510	35,000	34,000	34,000
		N/mm ²	510	240	235	235
Dimensional Stability @ 275°F (135°C)	MD	% change	438	-4.5	-4.5	-3.0
	TD	% change	438	-3.5	-3.0	-3.0
Gloss (45°)		442	98	98	98	98
WVTR @ 100°F (38°C), 90% RH	g/100 in ² /24 hr	518	.33	.23	.21	.17
	g/m ² /24 hr	518	5.1	3.6	3.3	2.6
OTR @ 73°F (23°C), 0% RH	cc/100 in ² /24 hr	476	4.5	4.5	4.5	4.5
	cc/m ² /24 hr	476	70	70	70	70
Crimp Seal MST to achieve a 200 g/in seal to achieve a 200 g/2.5 cm seal	°F	490	190	190	190	190
	°C	490	88	88	88	88

The property values represented in the preceding table do not constitute product specifications, but represent the average or typical values. Complete product specifications and one-time certificates of compliance are available by request. **Critical properties** are measurable attributes that are important for performance in the film's target applications. These properties are listed with their tolerance limits in the product specifications. **Descriptive properties** are valuable attributes that are inherent in the specific design of the film and its manufacturing process. These properties do not generally exist in the product specifications.

Technical data and guidelines on these pages are presented for consideration, but are not intended as a recommendation for use of these products in any particular application. NOR IS ANYTHING ON THIS PAGE INTENDED AS A REPRESENTATION OR WARRANTY OF PERFORMANCE PROPERTIES WITH RESPECT TO THESE PRODUCTS (INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE). All products are, instead, sold subject to the terms and conditions of the sales documents relating to each sale. It is important that users undertake independent testing in order to verify the suitability of any product for any particular application.

For More Information

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