MULTI–PLASTICS

Heat Sealable Coated OPP Film

Version: RD072024-5C

TYPICAL PROPERTIES OF
Bicor™ ASB-X Acrylic / PVdC Coated OPP Film

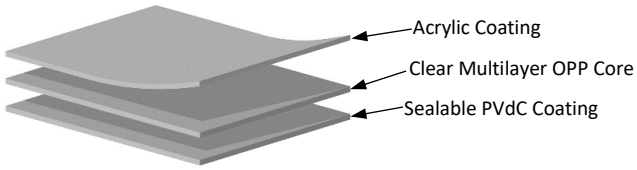
One-side Acrylic Coated / One-side PVdC Coated Sealable OPP Film

Bicor™ ASB-X film is designed for broad use in many applications, including overwrap, HFFS, and VFFS packaging. This film is suitable as an unsupported web or in a lamination. It can be surface printed, reverse printed or used unprinted.

FDA compliant for direct food contact.

Features:

- Outstanding optical properties
- Robust machinability
- Low and consistent COF
- Excellent flavor and aroma barrier
- Excellent hot tack and seal strength
- Very good moisture barrier
- Good oxygen barrier



Properties	Units	Typical Values				Test Method
Thickness	gauge µm	110 27.5	150 37.5	170 42.5	210 52.5	ASTM D2673
Yield	in^2/lbs	26,600	19,500	17,500	14,000	ASTM D4321
Basis Weight	lb/ream	16.2	22.2	24.7	30.9	—
Haze	%	1.3	1.2	1.4	1.4	ASTM D1003
Gloss	—	90	98	98	90	ASTM D2457
Tensile Strength at Break MD TD	psi	17,000 33,000	15,000 31,300	15,000 31,300	17,000 34,000	ASTM D882
Dimensional Stability MD 275°F(135°C),7min TD	%	-4.5 -4.0	-4.5 -3.0	-4.5 -4.0	-4.0 -3.0	ASTM D1204
Crimp Seal Strength 260°F(126°C)/20psi/0.75sec	g/in	650	600	650	700	ASTM D882
Crimp Seal Temperature *(minimum)*	degree	190°F(32°C)	190°F(32°C)	190°F(32°C)	190°F(32°C)	Internal
Coefficient of Friction *(Acrylic/Acrylic)*	—	0.24	0.24	0.24	0.24	ASTM D1894
WVTR 100°F(38°C),90%RH	$g/100in^2/24hr$	0.33	0.23	0.21	0.17	ASTM F1249
OTR 173°F(23°C),0%RH	$cm^3/100in^2/24hr$	4.5	4.5	4.5	4.5	ASTM D3985

Processing Statements:

- Lap sealable to itself
- Acrylic coating and its properties can be affected by extreme humidity and water condensation. Thorough testing is recommended when considering acrylic coated films in refrigerated or frozen applications
- Acrylic coating must be primed if used in extrusion lamination
- PVdC coating priming or treating is recommended for stronger extrusion bonds
- Acrylic is an excellent surface for water-based or solvent-based inks, adhesives, and code-dating (cold, wet or hot stamp) without treatment
- 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.

Thickness & Yields may vary by +/- 10%

All data represents typical values by the methods indicated and should be considered so. The information herein, is to the best of our knowledge, true, and accurate. However, since conditions of use are beyond our control, all recommendations or suggestions are presented without guarantee or responsibility on our part. No warranty is made or implied.