

# Bicor™ 220 AB

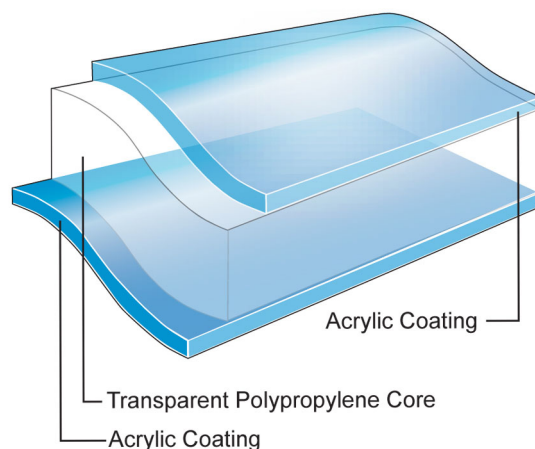
## Oriented Polypropylene Film

### Product Description

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

### Key Features

- Outstanding optical properties
- Robust machinability
- Low and consistent COF
- Excellent hot slip
- Excellent stiffness
- Excellent flavor and aroma barrier
- Very broad seal range



### General

Availability <sup>1</sup>	• Latin America	• North America	• South America
Features	• Acrylic Coated	• Flavor & Aroma Barrier	• In Lamination Lap Sealable
Applications	• Biscuits/Cookie/Crackers	• Box Overwrap	• Tobacco
Uses	• Box Overwrap Flexible Packaging • HFFS Flexible Packaging	• Pre-made Bags - Flexible Packaging • Tobacco Overwrap Flexible Packaging	
Appearance	• Clear/Transparent		
Form(s)	• Film		
Processing Method	• Cold Seal Adhesive • Inner Web Adhesive Lamination • Outer Web Adhesive Lamination	• Solvent Flexographic Printing • Solvent Rotogravure Printing • Surface Print Unsupported	• Water-based Flexographic Printing
Revision Date	• 09/01/2004		

Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Yield	22500 in <sup>2</sup> /lb	32.0 m <sup>2</sup> /kg	ExxonMobil Method
Unit Weight	19.2 lb/ream	31.2 g/m <sup>2</sup>	ExxonMobil Method
Film Thickness	1.3 mil	34 μm	ExxonMobil Method
Haze	1.0 %	1.0 %	ASTM D1003
Gloss (45°)	90	90	ASTM D2457

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## ExxonMobil Chemical Bicolor™ 220 AB Oriented Polypropylene Film

Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Break MD 20 in/min (510 mm/min), 2.0 in (50 mm) Jaw Separation	20000 psi	138 MPa	ASTM D882
Tensile Strength at Break TD 20 in/min (510 mm/min), 2.0 in (50 mm) Jaw Separation	34500 psi	238 MPa	ASTM D882
Dimensional Stability MD (275°F (135°C))	-4.5 %	-4.5 %	ExxonMobil Method
Dimensional Stability TD (275°F (135°C))	-2.5 %	-2.5 %	ExxonMobil Method
Crimp Seal Strength  260°F (127°C), 20 psi (0.1 MPa), 0.8 sec	500 g/in	490 g/2.5 cm	ExxonMobil Method
Crimp Seal MST	185 °F	85 °C	ExxonMobil Method
Coefficient of Friction (Acrylic/Acrylic)	0.22	0.22	ASTM D1894
Water Vapor Transmission Rate <sup>2</sup> 100°F (38°C), 90% RH	0.26 g/100 in <sup>2</sup> /24 hr	4.0 g/m <sup>2</sup> /24 hr	ASTM F1249

### Processing Statement

- HS is used primarily as the outside web in laminations.
- HS is lap sealable to other acrylic-coated and sealable PVdC-coated films.
- HS is not recommended as the sealant webs on VFFS machines because of poor hot tack.
- 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.
- Acrylic/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.

### Notes

<sup>1</sup> Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

<sup>2</sup> Tested at 100 °F (38 °C)/100% RH, then calculated to 90% RH with .90 multiplier.

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