# Bicor™ 110 AXT

Oriented Polypropylene Film

# **Jindal**

# **Product Description**

Bicor AXT is a two-side coated, sealable OPP film, delivering an advanced level of moisture and oxygen barrier protection. This film is designed for use in unsupported and surface printed horizontal or vertical packaging applications. With a converter-applied hermetic sealant, AXT is an excellent outer web for gas flush vertical packs or pouches of shredded or grated natural cheese, replacing films like PVdC coated cellophane, PET and Nylon. AXT is lap-sealable to itself.

# Acrylic Coating Transparent Multilayer Polypropylene Core Sealable High Barrier PVdC Coating

# **Key Features**

- · Robust machinability
- · Low and consistent COF
- Outstanding optical properties
- Excellent barrier performance
- · Outstanding flavor and aroma barrier
- Excellent oxygen barrier
- · Excellent moisture barrier

# General

# Availability

Latin America

#### Features

Acrylic Coated

Gas Barrier

✓ PVdC Coated

Sealable High Barrier PVdC Coated

#### **Applications**

Biscuits/Cookie/Crackers

Confectionery, Sugar

#### Uses

Box Overwrap Flexible Packaging

VFFS Flexible Packaging

# Appearance

Clear/Transparent

### **Processing Method**

Cold Seal Adhesive

Solvent Flexographic Printing

Water-based Flexographic Printing

North America

Flavor & Aroma Barrier

Moisture Barrier

High Barrier PVdC Coated

Box Overwrap

Bakery

HFFS Flexible Packaging

Inner Web Adhesive Lamination

Solvent Rotogravure Printing

Outer Web Extrusion Lamination

South America

In Lamination Lap Sealable

Oxygen Barrier

High Barrier Printable PVdC Coated

Confectionery, Gum

Pet Food

Pre-made Bags - Flexible Packaging

Outer Web Adhesive Lamination

Surface Print Unsupported

#### **Properties & Typical Values**

Property	Typical Value Unit	Test Based On
Yield	27400 in²/lb	Internal Method
Unit Weight	15.7 lb/ream	Internal Method
Film Thickness	1.1 mil	Internal Method
Gloss (45°)		
Acrylic Surface	103	Internal Method
Haze	1.5 %	Internal Method
Tensile Strength at Break		
20 in/min pull rate, 2.0 in jaw separation		
MD	17000 psi	Internal Method
TD	33000 psi	Internal Method
Dimensional Stability 135°C / 275°F, 7 min		
MD	-4.5 %	Internal Method
TD	-4.0 %	Internal Method
Crimp Seal Strength		
PVdC/PVdC		
260°F, 20 psi, 0.75 sec	620 g/in	Internal Method
Crimp Seal (MST)		
PVdC/PVdC	218 °F	Internal Method
Coefficient of Friction		
Acrylic/Acrylic	0.28	Internal Method
Water Vapor Transmission Rate		
100°F, 90% RH	0.13 g/100 in²/24 hr	Internal Method
Oxygen Transmission Rate		
73°F, 0% RH	0.30 cm <sup>3</sup> /100 in <sup>2</sup> /24 hr	Internal Method

#### TYPICAL PROPERTIES: these are not to be construed as specifications

#### **Food Contact**

Any further regulatory information on this product (i.e. Food Contact application, Presence/absence of substances, Reach, ...) are accessible on the below link: <a href="https://www.jindalfilms.com/login-register-docmg/">https://www.jindalfilms.com/login-register-docmg/</a>

# **Legal Statement**

This product is not intended for or supported for use in pharmaceutical or medical applications requiring compliance with EU or US Pharmacopeia.

### **Processing Statement**

- 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.
- With 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.

# **Footnotes**

- 1. Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete country availability.
- 2. Dimensional stability is reported for uncoated base film.
- 3. Tested at  $38^{\circ}$ C ( $100^{\circ}$ F)/ $100^{\circ}$ RH, then calculated to  $90^{\circ}$ RH with .90 multiplier.
- 4. Sample dimensions and conditioning vary due to differences in equipment design.

#### Revision date

• July 14, 2016

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