

## Bicor™ MB866 films

Deliver ultra-high gas barrier for transparent MAP applications

# Benefits

- outstanding gas barrier properties for MAP applications
- excellent print-receptive coating due to high surface tension layer
- non-halogenated (chlorine-free), solvent-free, clear barrier coated film
- excellent flavor and aroma barrier keeps products tasting and smelling fresh
- acrylic coated side provides flexibility to seal side gussets for good stand-up shelf display



**PVOH-coated clear films deliver outstanding gas barrier properties for modified atmospheric packaging (MAP) applications.**

### Protection

- the high gas barrier makes it ideal for MAP applications, providing an alternative to halogenated (chlorine-based) polymers
- its excellent flavor and aroma barrier keeps products tasting and smelling fresh, while providing protection from external contaminants, such as cardboard used for secondary packaging

### Performance

- provides excellent packaging performance because the outside acrylic surface delivers stable slip and seal characteristics

### Promotion

- provides high brand visibility on the shelf thanks to high clarity, gloss and stiffness. Laminated to an acrylic OPP film, the structure can be lap sealed and side gussets sealed for stand-up packaging
- the PVOH coating's surface energy helps ink lay-down and its good chemical barrier contributes to reduced solvent retention



Typically the PVOH coating is reverse printed and adhesive laminated to a sealant film, such as blown polyethylene or cast polypropylene, to provide high oxygen protection for sensitive dry foods for prolonged shelf life. For MAP applications, the pack head space is gas flushed with nitrogen or carbon dioxide.

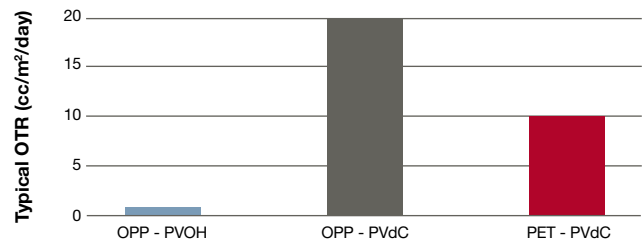
As an all-polyolefin based solution it can replace polyethylene terephthalate (PET)-based or polyvinylidene chloride (PVdC)-coated solutions, while retaining high clarity for vertical or horizontal packaging formats (VFFS, HFFS).

Featuring a polyvinyl alcohol (PVOH) coating on one side and an acrylic coating on the reverse Bicor™ MB866 delivers excellent all-round performance for dry products requiring MAP, including:

- dry fruits and nuts
- sensitive cereals
- pet foods and treats
- sensitive snacks
- roasted coffees
- and many other oxygen sensitive products



### High gas barrier performance

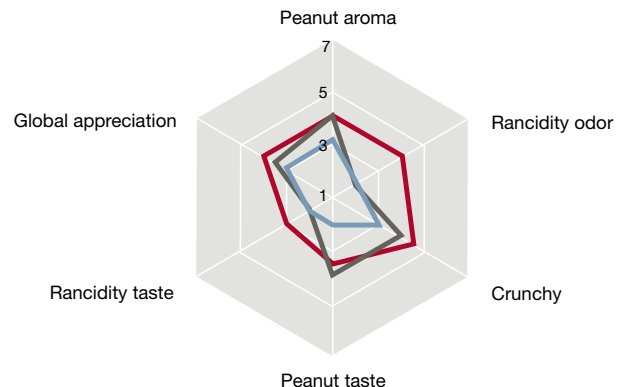


#### High gas barrier performance with PVOH coating

Oxygen Transmission Rate at 23°C, 0-50% relative humidity (RH). PVOH coating provides better oxygen barrier in lower humidity conditions than most PVdC coated films.

Jindal Films data

### Oxygen barrier performance



- Bicor MB866 (PVOH) film//30µm white PE
- 35µm coex//20µm coex met
- Consumer acceptance

Professional panel results after 6 months storage at 20°C, 50% RH

#### Increased shelf-life with PVOH coated barrier film

For this savory snack (salted peanuts), PVOH provides an excellent shelf-life performance, meeting the customer's requirements better than a metalized OPP film solution.

Jindal Films data

### Count on Jindal Films

The Films Business of Jindal Films is a leading global OPP film supplier with the broadest range of aqueous coated film solutions for the flexible packaging market. If you're looking to develop innovative flexible packaging solutions, try Bicor films from Jindal Films.

Contact your Jindal Films representative for more information

[www.oppfilms.com](http://www.oppfilms.com)

[info@jindalfilms.com](mailto:info@jindalfilms.com)

**Jindal**  
Films