

MB890 film

Provides flavor, aroma and MO barrier performance for high clarity packaging segments

Features

- Outstanding gas barrier properties for dry product applications
- Excellent flavor and aroma barrier keeps products tasting and smelling fresh
- Very thin barrier film and low packaging weight for clear barrier applications
- Lap sealable (in/out) to cast PP or other OPP films
- High clarity OPP film using solvent-free, water based coating technology
- Easy print receptive surface with high surface tension
- Great protection against mineral oils
- Ideal mono-material barrier solution for PP or mixed PO “recycle-ready” laminates



Benefits

EVOH-coated clear OPP films deliver outstanding gas barrier properties for modified atmospheric packaging (MAP) applications such as dry foods or non-foods with low water activity.

PROTECTION

- EVOH coatings provide barrier performance that retains flavor and aroma inside the packs, prevents unwanted external or pack-to-pack odor contamination (e.g. mineral oils), keeping dry products safe, tasting and smelling fresh
- Great puncture resistance and good moisture barrier compared to PET or OPA

PERFORMANCE

- Thin barrier film with easy-printability for reverse print applications due to the inherent high surface tension of the barrier layer and good barrier to solvents to help achieve low residual solvent values after printing
- MB890 is one of the lowest unit weight or highest surface yield clear high barrier film solutions on the market for cost efficiency and good environmental performance by delivering lower packaging weight laminates

PROMOTION

- High clarity and gloss for outstanding product visibility and great shelf display
- Lap seal capability (in/out) in VFFS formats when laminated to PP-based films, which improves print design flexibility - continuous print design on back of packs - and improves end seal integrity when compared to fin seal (in/in)
- Provides out/out seal capability for closed side gussets on VFFS stand up bags compared to PET-based structures (e.g. PET-PVdC// Cast PP)

MB890 film

Bicor™ MB890 needs to be used exclusively in lamination, preferably to high performance sealant films such as cast PP, blown PE or high-seal performance oriented films (MB344US or XE400).

Bicor™ MB890 can be used for mono-material applications either for PP-rich or mixed polyolefin (PO) laminates. It is an ideal replacement for substrates such as PET-PVdC, PET-AIOx, PET-SiOx, OPP-PVdC or EVOH coextruded PE or PP films in dry product applications requiring clear high barrier to gases, either in VFFS, HFFS, pouch or sachets applications. It is not recommended for applications with high humidity conditions, as the gas barrier properties will be compromised above 60-70% relative humidity. The sealable side of MB890 was designed for multi-purpose use, with the capability of being run as an external or inside web of laminates on all types of packaging machines. With a good balance of properties (slip, jaw release, sealing temperature) it is functional in versatile applications and is not particularly designed for high speed applications or in formats with high slip/low COF requirements.

Featuring an ethylene vinyl alcohol (EVOH) coating on one side for printing and a propylene-based heat sealable coextruded surface on the other side, Bicor™ MB890 delivers outstanding

gas barrier properties typically required in modified atmosphere packaging (MAP) market segments, including:

- Sensitive cereals (e.g. muesli)
- Nuts and seeds
- Dry pet food and treats
- Sensitive cereal or snack bars
- Various sensitive snacks
- Many other oxygen sensitive products

Properties	21MB866	16MB890	14PET-PVdC
Unit Weight	17.7	14.1	20
Yield (m ² /kg)	55.5	70.9	50
Haze (%)	1	1	2.8
OTR cc/m ² /day	0.5	0.5	6
Barrier to MO	✓	✓	✓
Aroma barrier	✓	✓	✓
Lap seal to CPP	No	Yes	No
COF (out/out)	0.25	0.4	>0.4



Contact your Jindal Films representative for more information

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