

MBH568 film

For outstanding protection to moisture & gases with high clarity coated OPP films in demanding HFFS packaging applications, conforming to future mono-material requirements for compatibility with PP recycling streams.

Features

- Improved moisture and gas barrier OPP films to help keep products fresh and maintain a dry or moist texture throughout the shelf life
- Non-halogenated (PVdC-free) water based coated films with stable surface properties for smooth conversion and packaging operations
- Clear OPP films using only solvent free water-based coating technologies
- Bicor™ MBH568 delivers outstanding packaging performance for high and variable speed HFFS applications
- MBH film have higher stiffness to help end-users down-gauge or reduce packaging weight in existing single web applications



Benefits

Modified barrier coated clear films with improved WVTR and OTR properties which provide stable and outstanding performances on most HFFS packaging machines with aroma barrier, similar to well-known Bicor™ MB668 coated films.

PROMOTION

- High gloss coated OPP film provide excellent on-shelf appearance compared to coextruded films
- High clarity film with outstanding machinability for optimal pack aspects on-shelf visibility and good scuff resistance

PROTECTION

- Excellent moisture and gas barrier with transparent OPP film allows applications that would otherwise use laminates or thicker films
- Water-based coatings delivering good balance of aroma barrier and protection to mineral oils, as well as alcohol, scuff and humidity resistance

PERFORMANCE

- Excellent machinability on HFFS with MBH568
- Stable surface properties for optimal conversion and excellent packaging performance

PLANET

- High moisture barrier solutions provide opportunities to reduce packaging weights with down-gauging for less virgin plastic usage
- PVdC-free formulation helps conform to PP mono-material requirements of the future (>95% PP)

MBH568 film

Bicor™ MBH568 are biaxially oriented transparent polypropylene films with improved moisture and gas barrier properties, water based coated on both sides. MBH568 is coated one side with a barrier coating and one side with VLTS coating.

Bicor™ MBH568 films are typically used either surface printed on the barrier coated side or unprinted in single web for higher speed HFFS applications. They can be used to replace PVdC coated films for improved recycling performance. MBH568 has high gloss, stable slip properties, good seal jaw release and great resistance to scuffing, alcohol spraying and humidity. The gas barrier properties are stable at moderate humidity levels and more stable than other films, typically using PVOH or EVOH technologies.

OPP FILM COMPARISON FOR HIGH SPEED HFFS MARKETS

Improved barrier performance with Bicor MBH568 films

FILM PROPERTY for HFFS	25HLD (coex)	26MBX768 (Acrylic/VLTS)	25MB668 (Acrylic/VLTS)	25MBH568 (Barrier CTG/VLTS)	UNIT
Thickness	25	26	25	25	µm
Unit weight	22,8 100%	24 105%	22,6 99%	22,0 97%	g/m ² index
Gloss @ 45°	85	98	85	95	-
WVTR 38°C 90%RH	5,5 55%	3 100%	5 60%	3,1 97%	g/m ² /day relative index
OTR @23°C;0%RH	high	20	850	10	cc/m ² /day

FILM PROPERTY for HFFS	30HLD (coex)	32MBX768 (Acrylic/VLTS)	30MB668 (Acrylic/VLTS)	30MBH568 (Barrier CTG/VLTS)	UNIT
Thickness	30	32	31	30	µm
Unit weight	27,3 100%	29,4 105%	28,1 103%	27,5 101%	g/m ² relative index
Gloss @ 45°	85	98	85	95	-
WVTR 38°C; 90%RH	4,6 65%	3 100%	4,5 67%	2,7 111%	g/m ² /day relative index
OTR @23°C;0%RH	-	20	750	10	cc/m ² /day



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