

# Breakthrough OPP Heat-Seal performance

∴ Bicor™ 30, 40 & 50MB344US

Provide breakthrough heat-seal performance using new **ULTRASEAL OPP** clear film technology to deliver mono-material “PP-rich” solutions

## ○ Features

- BOPP-based sealable films with great clarity
- High stiffness, flex-crack and puncture resistance, compared to cast PP and blown PE films
- Outstanding sealing for high packaging speeds
- Very high seal strengths for improved product shelf life and distribution
- Low and stable slip properties
- Lap sealable to various OPP films

## ○ Benefits

**BICOR™ 30, 40 & 50MB344US clear OPP films deliver outstanding mechanical properties with unique sealing features for products requiring enhanced product protection with a mono-material approach for “recycle-ready” considerations.**

### PROMOTION

- Easy opening from a notch, compared to cast PP- or blown PE-based barrier laminates
- High stiffness for sealant film downgauging opportunities in SUP/pouch formats
- High clarity for see-through applications



### PROTECTION

- High seal strength (3,000g/25mm or 18N/15mm) for robust product protection
- Good puncture and flex crack resistance
- Great moisture barrier with all OPP laminate

### PERFORMANCE

- Robust machine performance in multiple packaging formats
- High seal strength allows more versatile use of OPP in terms of product content weight and pack sizes

## 30, 40 & 50MB344US films

Bicor™ 30, 40 & 50MB344US are biaxially oriented polypropylene (OPP) films featuring Jindal Films' proprietary "ULTRA SEAL" coextrusion technology (US). They deliver unique seal performance for customers requiring higher seal strengths than currently achievable with standard OPP films or as replacements of cast PP or blown PE sealant films. This innovative new film technology can help customers improve product shelf life, while enhancing shelf appeal and product distribution. Most importantly, however, they provide downgauging opportunities of the sealant layer film required for these applications.

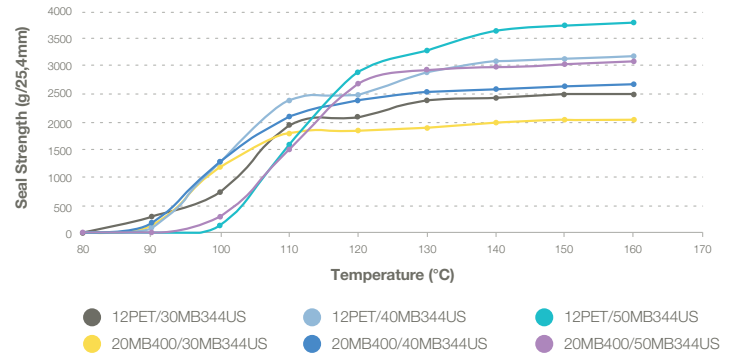
MB344US grades offer a good balance of optical, moisture barrier, slip and mechanical properties for use in lamination with paper, PET or OPP films, or as a single web. The sealing layers are designed to provide high seal strength and improved seal integrity compared to most other OPP film technologies.

Bicor™ grades MB344US are mostly suitable for:

- applications requiring higher seal strengths
- higher speed packaging lines
- flat sachets and pouches as well as SUP formats
- HFFS and VFFS formats
- packs which require easy opening from a notch
- most dry foods and dry beverages
- laminations to paper or PET outer webs when stiffness or heat resistance is critical
- lamination to OPP when a mono-material laminate is considered (design for "recycle ready")

### VFFS PACKAGING SEAL CURVE

50pack/min; dwell time 300ms  
(fin seal fixed at 140°C)



### VFFS seal performance with Ultra Seal OPP film technology

Outstanding seal strengths values can be achieved with Bicor™ MB344US OPP films, providing lighter weight sealants when replacing thicker blown PE or cast PP films and delivering easy opening features with low notched tear propagation forces

Jindal Films data



Bicor™ laminate 20MB400//50MB344US

Contact your Jindal Films representative for more information

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

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

**Jindal**  
Films