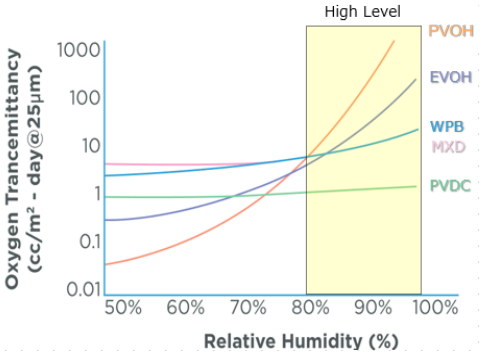
OXYGEN BARRIER COATING

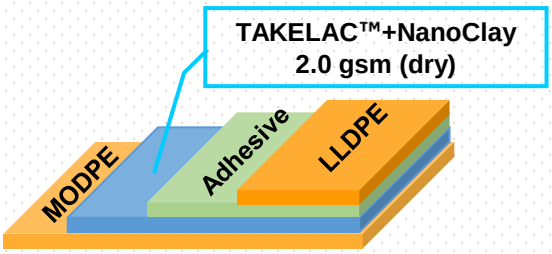
TAKELAC™ WPB series
for MDOPE mono-material

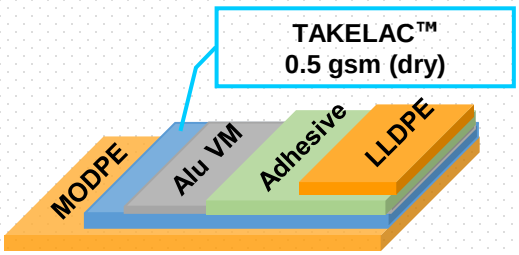
Barrier coating of WPB series



- ✓ Non-chlorine based polymer
- ✓ The humidity dependence on O_2 barrier property is excellent compared to PVOH and EVOH
- ✓ High flexibility and good adhesion with PO films
- ✓ Good printability (55-58 dyne)

Barrier coating for PE mono material design





Film Structure		OTR @20℃, 80%RH	Peel strength
Blank	MDO-PE//LLDPE	>1000cc	Material Failure
Non VM Nano-Clay	MDO-PE//**TAKELAC+NanoCLAY**//LLDPE	0.46cc	1.5N
Alu VM	MDO-PE//**TAKELAC**//AL//**TAKELAC**//LLDPE	0.08cc	1.3N

Takelac™ Advanced Coating Technology and oriented films create a synergy that enhances the barrier properties of recyclable packaging films, even under high humidity and heat conditions.

FAQ

What is the solid content?
25%-30%, the rest is water.

What coating weight is needed?
0,5-1gsm is enough as top coating.

What is the drying temperature?
80-115°C is recommendable, depending on time.

How to coat?
Gravure coating / Flexo coating, etc.

How to store?
Not under 0°C . Avoid direct sunlight.

Food contact compliance?
Please contact us at the details below.

-Contact detail-

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TAKELAC™ WPB and WS series
for In-line coated barrier solution

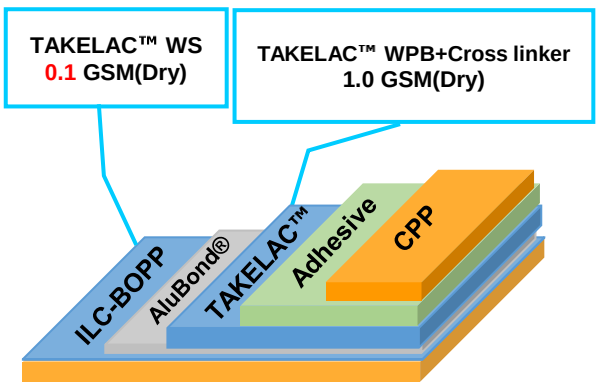
Collaboration Partners for the open innovation

Mitsui Chemicals

BOBST

BRÜCKNER MASCHINENBAU

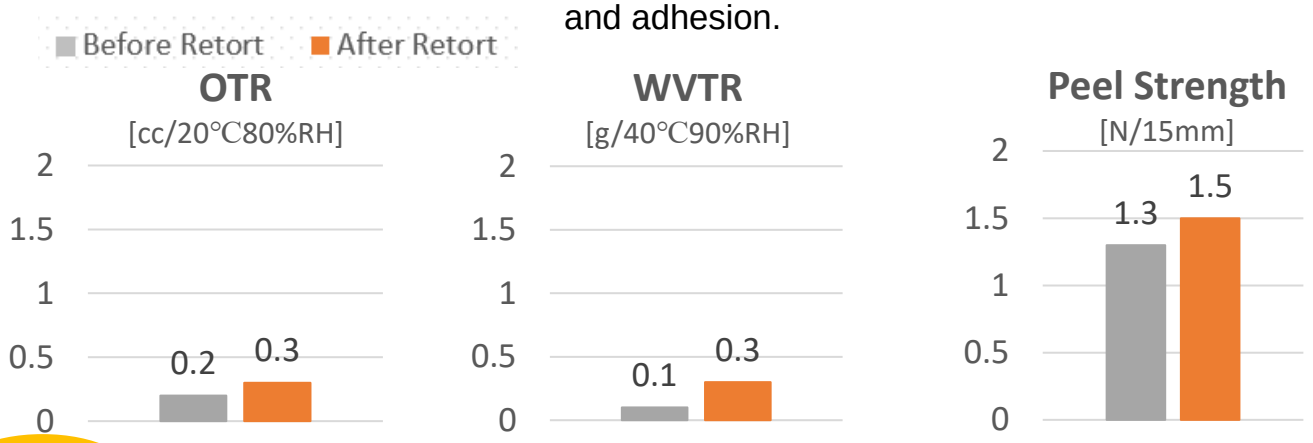
Retortable barrier coating for mono material design (Over 90%)



✓ In-line coating (ILC) is a wet chemical coating process applied directly during film production on Brückner's BOPP stretching machines.

✓AluBond®, the most advanced of Bobst's vacuum metallization technology, offers enhanced barrier functionality, increased metal bond strength and higher surface energy.

✓Benefits summarized; thin coating layer, cost-efficient operation, excellent property for barrier and adhesion.



FAQ

What is the solid content?
25%-30%, left is water.

Food contact compliance?
Please contact us the detail below.

What is the drying temperature?
90-115°C is recommendable, depending on time.

Takelac™ Advanced Coating Technology creates a synergistic effect with oriented films, significantly enhancing barrier properties both before and after the sterilization process, even under high humidity and heat conditions. Films coated with Takelac™ remain recyclable.

-Contact detail-

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