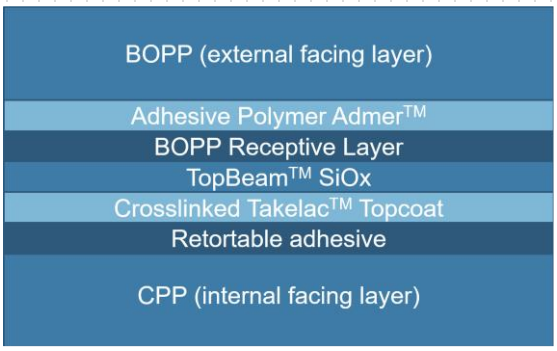
OXYGEN BARRIER COATING powered by Sustainable Ideas

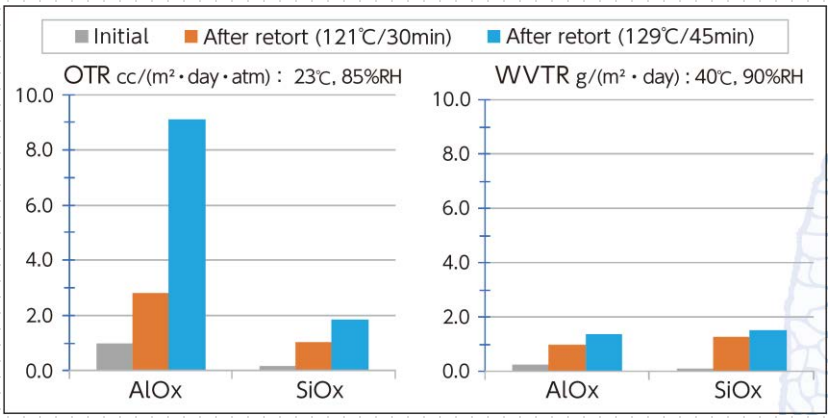
Mitsui Chemicals

High humidity dependent barrier coatings influence the quality of retoratable packaging. This may damage the functional barriers like metal layers / AlOx / SiOx. Current solutions (EVOH / ALU) are decreasing the mono-material ratio. The solution: TAKELAC® - TAKELAC® is a sustainable barrier coating which enhances the heat resistance of packaging under high retort condition and gives a superior gas barrier to packaging applications.

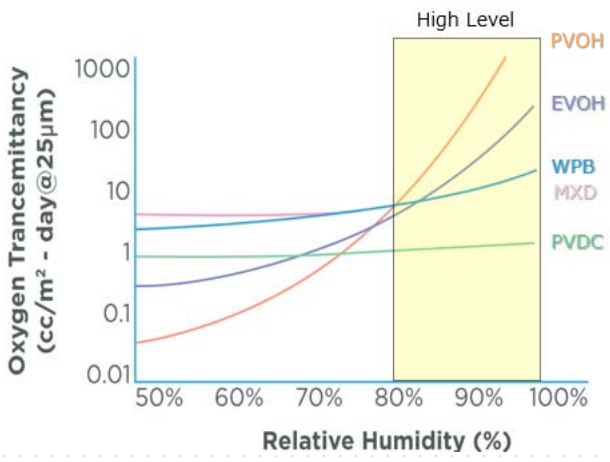
Retortable barrier coating for mono material design

Over 90% mono material





Takelac™ WPB series – Retortable barrier top coating



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

Advanced film orientation technology, SiOx layer and Takelac® are creating a synergy effect on enhancement of barrier property before and after sterilization process; at high humidity and high temperature condition. Takelac® adds real value to your products, powered by Mitsui Chemicals's innovative polymer technology.

FAQ

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

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

What is the drying temperature?
90-120°C is recommendable, depending on time.

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

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

Food contact compliance?
Please ask to below contact details,

-Contact detail-

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