

# Aroma preservation without aluminium?

EVAL™ EVOH  
for coffee packaging



**kuraray**

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The way that coffee is packed has changed significantly in the past decade, due to changes both in customer demand and new methods of distribution.

- Consumers are willing to pay more for their favourite beverage, assuming that the aroma and overall product quality are guaranteed.
- Coffee companies are meeting this demand with a variety of high quality products, and have developed new ways to individualise the experience, often focusing on smaller portion sizes like capsules.

These inventive new packaging forms are growing much faster than the coffee market itself.

## Preserving the aroma of premium coffees

What has not changed are the barrier requirements for coffee storage and distribution. Ground coffee requires a good barrier against oxygen permeation to prevent spoilage. Aroma protection is extremely important, as is a barrier against outside odours and contamination. This has become even more important as the market has demanded more premium quality product.

## Solutions with EVAL™ EVOH

The challenge is to meet the technical requirements of coffee packaging while remaining safe and convenient in use. EVAL™ can adapt itself to provide the barrier function for several packaging types:

**Pods** - Thermoformed or coinjectured pods are ideal for making individual doses. They offer consistent shape and performance to meet the tough technical dimension and pressure demands of the latest dispensing machines. Small amounts of EVAL™ add the protective barrier performance to the entire structure. All-plastic structures are compatible with metal detectors and aseptic filling for safe and efficient processing.

**Pouches** - Flexible barrier plastic pouches for beans or ground coffee offer a real alternative to Al foil. All-plastic structures are resistant against flex-cracking and pinhole formation during processing and distribution. Structures with EVAL™ can enter plastic recycling streams, and won't leave metal residue during energy recovery.

**Convenience containers** - EVAL™ provides the barrier function to plastic replacement for metal cans or glass jars. These provide added convenience with grips, and improve safety by avoiding sharp edges and their light weight unbreakable design.



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Convenient and safe  
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All-plastic  
barrier pouch