



EHA - Our barrier BOPA film

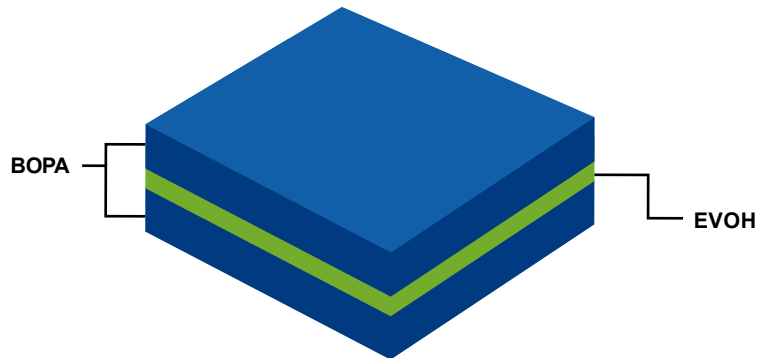
Improved levels of barrier, isotropic and aesthetical properties

In collaboration with Xiamen Changsu, we achieved a refining of our Nylon Film range. The insertion of an EVOH layer in the BOPA mass provides the new EHA references with improved levels of barrier, isotropic and aesthetical properties. By adopting this kind of films, we achieve sophisticated performances by simplified structures.

New product **EHA** consists of BOPA, EVOH and BOPA

EVOH: Ethylene-vinyl alcohol copolymer

BOPA: Biaxially Oriented Polyamide Films





Advantages and properties

Key advantages/properties when working with EHA

- ◆ Has best barrier resistance to gases as oxygen, nitrogen, carbon dioxide, etc. making it particularly suited for packing food, drugs, cosmetics and other perishable products.
- ◆ It is flexible, crystal clear, glossy.
- ◆ It has excellent flex-crack resistance.
- ◆ Exhibits high resistance to hydrocarbons, oils and organic solvents.

Key barrier properties

- ◆ Prevent ingress of oxygen. Delays growth of microorganisms and fungi and prevents oxidation reactions.
- ◆ Prevent ingress of moisture, keeping dry food dry.
- ◆ Keep desired balance of oxygen and carbon dioxide. Extend shelf life of respiring vegetables and fruits.
- ◆ Prevent loss or ingress of flavors and solvents, loss or change of aroma and taste, loss of perfumes in household chemicals, and drying of solvent based products (e.g. paint).

Schematic of barrier performance

💧 H₂O ● O

