



EVOH - EVAL™

EVAL™ is the trading name for the ethylene vinyl alcohol (EVOH) copolymer resins manufactured and marketed by Kuraray. Characterised by their excellent processability and outstanding barrier properties, EVAL™ is suited for food, medical, pharmaceutical, cosmetic, agricultural & industrial packaging and automotive applications.

One of the major applications of EVAL is as a functional barrier in food packaging. Keeping oxygen out, an EVAL layer pre-

serves the flavour and the quality of the food. Even in cases where the food is stable or specially treated, such as baby milk, EVAL barrier properties can be used to protect sensitive vitamin content.

EVAL™ resins are manufactured by Kuraray's unique polymer technology under a strict and a continuous quality control. Technological innovations have led to an extended range of different grades of EVAL™ resins for various applications.

EVAL™ Applications

Application	EVAL Properties
Food Packaging	Excellent oxygen barrier, Preservation of valuable vitamins, aroma substances, fatty acids (e.g. Omega 3) and other highly oxidation-sensitive ingredients, Prolonged shelf life of the food even in non-refrigerated conditions, Excellent transparency
Cosmetic Packaging	Excellent oxygen and fragrance barrier, Preservation of cosmetic agents and fragrances inside the package, Excellent transparency, Resistance to the chemical ingredients of the cosmetic products
Chemicals Packaging	Excellent resistance to solvents, gasoline, agricultural chemicals and surfactant agents, No deformation, swelling or softening of the package
Agricultural Films	Outstanding fumigant barrier properties, Prevent degradation of feed quality, allow for the safe and effective use of fumigants
Domestic and Outdoor Pipes	Prevent oxygen from permeating through the wall of the pipe and avoids corrosion of metal parts, Excellent barrier against oxygen, other gases, chemicals and odors, even at high temperatures, Additional anti-oxidant ensure long term thermal stability and more than 50 years service life, quick and easy to install, Good abrasion resistance
Fuel Containment	Reducing overall car weight and improving fuel efficiency, Reducing the risk of perforation and leakage in a crash, Can be molded into complex geometries, Regrind can be recycled and reused, Superior corrosion resistance, Producing less waste in the workplace environment

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