

## Water Soluble Film Types - Specifications and Applications

Classifications	Cold water soluble film			Hot water soluble film			
	Type Z	Type C	Type W	Type M	Type H	Type S	Type N
<b>Dissolving Temperature</b>	5°	15°	25°	45°	65°	85°	Difficult to dissolve
<b>Applications</b>	Embroidery, packaging of detergent, pesticide and fertilizer, Fishing bag	Embroidery, packaging of detergent, pesticide, fertilizer and cement additives, fishing bag	Embroidery, packaging of detergent, pesticide and fertilizer	Pet waste collection & disposal bag	Laundry bag, mould releasing	Mould releasing, Textile packaging	Shopping bag

# FEATURES of PVA Film

## ECO-friendly

PVA film is 'Green' packaging materials. It is verified by micro-organism tests that PVA is non-toxic and doesn't restrain from the growth of micro-organism and can be biodegraded completely.

Once PVA dissolves in water, specific microorganism will cause it to degrade. When being treated with activated sludge, PVA solution will be decomposed into water and carbon dioxide.

## Water solubility

PVA film has excellent water solubility properties and is able to dissolve in different water temperatures and at different solving pace.

## Good gas barrier property

PVA film has an excellent gas barrier properties to different gas elements e.g. oxygen, nitrogen, hydrogen, helium, argon, carbonic acid gas...etc except moisture and NH<sub>3</sub>. The gas blocking property makes PVA an excellent preservation packaging for the food by keeping the freshness.

## Releasing property

As PVA film is separated easily from hydrophobic plastic and released easily from various organic materials that have a little polarity. Water-soluble PVA film has been found to act as mould release film for the unsaturated polyester epoxy resin or other thermosetting resin.

## Good antistatic property

PVA film is anti-static and excellent for electric products packaging.

## Resistance to oil and organic solvents

PVA film resists animal oils, vegetable oils, mineral oils, fats, organic solvents and hydrocarbons to penetrate and is excellent packaging for organic solvents and oily products.