

APPLICATION OF CO-POLYESTER RESIN VYLON® AND ITS NOBEL WATER SOLUBLE RESIN

ABSTRACT:

Highly renowned for its excellent adhesion, durability and high degree of hygiene, it is used as a film adhesive or metal coating in a wide range of fields, including food packaging, electronic devices and automobiles.

FEATURES:

- Amorphous type of “VYLON” can be dissolved by Ethyl Acetate, methylethylketon, or other general purpose organic solvents.
- Amorphous type of “VYLON” gives good adhesion to Polyester film or PVC film and Metal.
- Amorphous type of “VYLON” itself gives good formability, and it is cross-linkable with melamine, isocyanate and epoxy, etc. when tough and durable coating layer is required.

The performances such as weather resistance, corrosion resistance, pigment disperse ability, formability and bending performance can be furnished by using highly advanced polymer designing technology.

APPLICATIONS:

“VYLON” can be found in paint for coil coating, can coating, binder for magnetic paint, ink binder and as an adhesive for dry lamination. Additionally, it can also be used as an agent for film surface treatment, coating agent for receptor of recording media, adhesive for vibration damping steel, adhesive for printed circuit board and much more.

Recent trends from the market regarding sustainability and recyclability mainly in food packaging area, encouraged a new development of water-soluble resins.

First ideas and examples of application for such a new water-soluble resin class will be presented, mainly for heat seal lacquer, paper coating etc.