

Gravure Printed Flexible Packaging

DuPont™ Nucrel® acid copolymer resins

DuPont Packaging and Industrial Polymers

Application Profile



Approved for External Use

Application Description

Gravure printed flexible food packaging films by Fuji Tokushu Shigyo Co., Ltd. spearheads the use of aqueous ink with solventless laminating. In addition, a newly established overprinting technology based on a unique plate making method has been developed. A polarized resin such as DuPont™ Nucrel® acid copolymer resins facilitates the bonding of the aqueous inks to the film's surface. This technical innovation combines new plastic film manufacturing technology, reduces organic solvents and produces a glossy printed package. The environmentally-friendly printing/laminating combination eliminates the need for solvent recovery, disposal and possible solvent retention odors. Eye-catching graphics offer retail shelf appeal.



Benefits to Customer/End User

Environmentally Friendly: Aqueous inks and solventless laminations are both environmentally friendly because they eliminate the need for solvent recovery/disposal and possible solvent retention odors.

DuPont Material Selected/Why

A polarized resin such as DuPont™ Nucrel® resin facilitates the bonding of the aqueous inks to the film's surface.

Direct Customer/End User

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For more information about DuPont™ Nucrel®:

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CAUTION: Do not use in medical applications involving permanent implantation in the human body. For other medical applications, see DuPont Medical Caution Statement, H-50102