

Tie Layer – ADMER[®]

ADMER[®] adhesive resin is a functionally modified polyolefin that serves as a tie layer in multilayer applications such as films, tubes, bottles, sheets, pipes, tanks or as coupling agent in various composites.

ADMER, which is available in pellet or powder form, is designed to bond to Polyamide (PA), EVOH, Polystyrene (PS), Polyester (PET, PETG), Polycarbonate (PC), Polyolefins (PP, PE) and metals such as steel and aluminium. It also provides excellent adhesion durability allowing ADMER and the bonded substrate to be boiled and hot filled.

Also as ADMER is based on polyolefins or copolymers, it retains the physical properties of each polyolefin or copolymer including mechanical strength, heat resistance, chemical resistance and recyclability.

ADMER[®] Characteristics

- ◆ Strong Adhesion
- ◆ Adhesion Durability
- ◆ Polyolefin-like Properties
- ◆ Easy Processing

ADMER[®] Applications

ADMER is used in numerous applications as an adhesive layer. When coextruded with a gas barrier resin into tubes, bottles, sheets or films, those products will serve as ideal food packaging acting as a barrier against oxygen, flavor, odour and moisture. This type of packaging is used for food, such as meat, cheese, ketchup, mayonnaise, sauces, dairy products and soups. Cosmetics and pharmaceuticals are also suited to these packaging products. Industrial uses of ADMER are composite pipe and coated steel pipe, as well as plastic fuel tanks and containers for chemicals. In addition, coextrusion coating of ADMER with other plastics onto paper or foil offers further opportunities in the food packaging area.

ADMER[®] is a trademark of Mitsui Chemicals Group.

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