

AdvaBond® 7481

Product Overview

AdvaBond® 7481 is a chlorine-free high molecular weight anhydrous modified polyolefin. AdvaBond® 7481 is an effective adhesion promoter to low surface energy substrates, between different types of plastics which normally would separate and between plastics and polar substrates.

Physical Properties

COLOR & APPEARANCE:	Colorless to Yellow Liquid
ACTIVE CONTENT%:	50.0
PH:	13.0
IONIC PROPERTY:	Cationic
SPECIFIC GRAVITY:	1.10
MOLECULAR WEIGHT:	25,000

Applications

- Effective adhesion promoter for printing inks for laminated films, in which two or more layers of material are combined to form a solid composite.
- Excellent additive to adhesive used between wood and low surface energy substrate.
- Improves adhesive properties of SBR towards the fibers incorporated in car tires and reduces the hardness of the rubber mixture.

Packaging

Available in 8 oz. samples sizes, pail and drum quantities.

Application Methods

Clean the substrate from contamination (dirt, oil grease, etc.) with isopropyl alcohol or other appropriate solvent. Dry the surface thoroughly after cleaning.

As An Additive:

Approximately 0.5 to 1% AdvaBond® 7481 to the printing ink.

Approximately 0.5 to 5% AdvaBond® 7481 to adhesives (e.g. VAE)

As A Primer:

Approximately 1.0 to 5.0% of AdvaBond®7481 in DI or Softened Water

Addition of up to 0.5% surfactant is recommended to improve wettability on low surface energy substrates

Up to 30% by wt. alcohol (i.e. ethanol, IPA) can be added to improve drying time and wettability.

The topcoat can be applied as soon as the primer is dry (usually 5 to 30 minutes at temperatures between 50°C to 100°C) or at least 24 hours at room temperature.

Insufficiently dried primer coatings lead to poorer adhesion.

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