



ADVANCED POLYMER, INC.

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AdvaBond® 7419

AdvaBond® 7419 is a water-based adhesion promoter for low surface energy substrates for heat seal coating/adhesive applications. AdvaBond® 7419 can be used as a primer onto the substrate or as an additive into a waterborne coating or adhesive formulation.

CHARACTERISTICS

- Superior adhesion to various plastics such as, PP containing substrates, PET, HIPS etc. when used as a primer or additive without the need of corona or plasma pretreatment.
- Can be used in conjunction with various waterborne systems including, Acrylic, PUD, EAA, EVA etc.
- Transparent film after coating and drying
- Chlorine-free

APPLICATION & FORMULATION

The following is recommended for application as a primer:

1. Dilute AdvaBond® 7419 to 2.5—7% actives (10—28% on a weight basis) in water. Co-solvent and/or wetting agents may be necessary for proper wetting and leveling. A ladder study on the loading level is recommended in order to optimize performance depending on the application requirements.
2. Apply on substrate making sure a uniform film thickness is achieved.
3. Dry at 100-115°C for at least 15 seconds.

The following is recommended for application as an additive:

Add AdvaBond® 7419 into the coating/adhesive system at 1—5wt%. Make sure AdvaBond® 7419 is compatible with the system before application. Keep pH >7.0. A ladder study on the loading level is recommended in order to optimize performance depending on the application requirements.

A study was performed using AdvaBond 7419 as an additive into an EVA based Heat Seal Coating.

See next page for performance results...

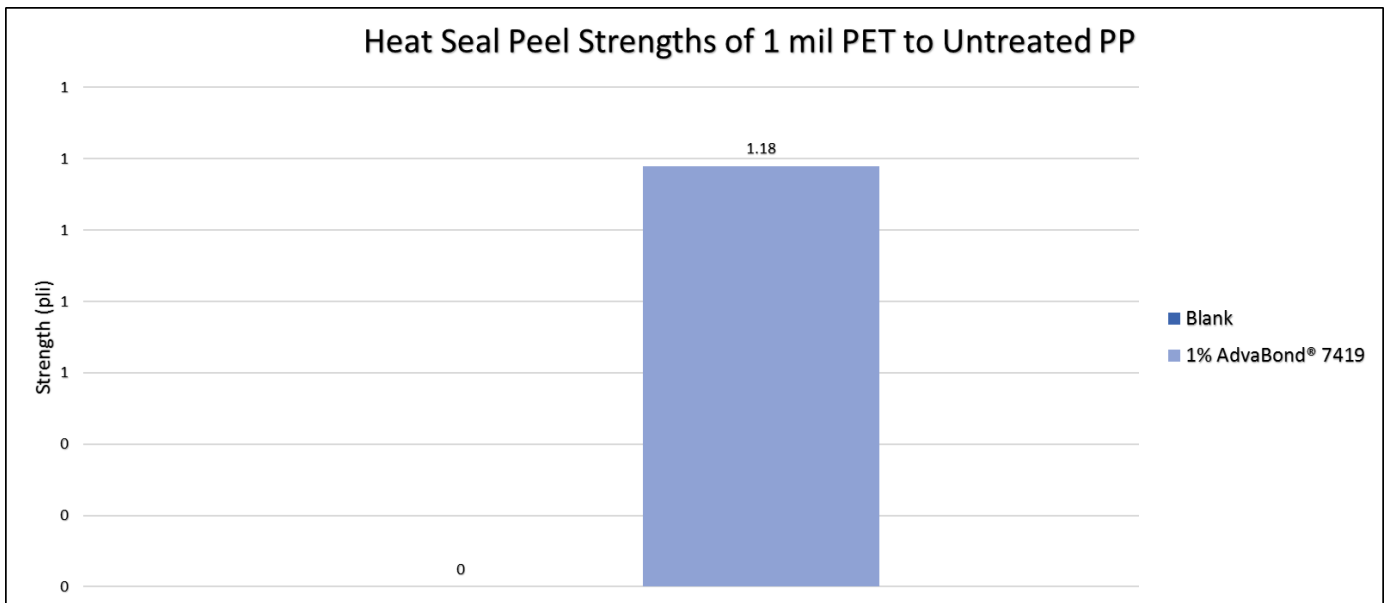
TYPICAL PROPERTIES

Appearance:	Translucent Liquid
Solids Content (%):	25.0
Melt Temp of Base Resin (°C):	65.0
Ionic Character:	Non-ionic
pH:	9.0—11.0
Specific Gravity:	0.97
VOC (%):	<7.0

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- AdvaBond® 7419 was added at 1wt% into a waterborne EVA dispersion.
- Formulation was coated onto 1 mil untreated PET at approximately 7 grams per square meter (wet).
- Dried directly after coating at 200° C for 15 seconds.
- Coated PET film was heat sealed (upper jaw) to untreated polypropylene (PP) at 190°C, 60 psi for 1 sec.
- Results were recorded for Blank (EVA dispersion without additive) in comparison to AdvaBond® 7419 modified formula.



Results may vary depending on the resin system, application method, substrates, curing temperatures etc.

PACKAGING

AdvaBond® 7419 is available in 8 oz samples, drum and tote quantities.

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I want to know more!

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interested in:

AdvaBond® 7426

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