



ADVANCED POLYMER, INC.

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AdvaBond® 7302

AdvaBond® 7302 is a water-based chlorine-free adhesion promoter for polyethylene substrates. It is designed to work on surfaces without any surface treatment such as corona or flame. AdvaBond® 7302 can be used as a primer or as an additive to a coating formulation.

CHARACTERISTICS

- Superior adhesion to LDPE and HDPE
- Excellent interlayer adhesion between primer and top coat (polyester, alkyd or polyurethane paint).
- Cured at elevated temperature

TYPICAL APPLICATIONS

- Additive for paint
- Automotive coatings
- Coatings for plastics
- Printing Inks
- Adhesives and Sealants
- Footwear applications

Component	Concentration (wt%)
AdvaBond® 7302	10-33%
APFS-14	0.1-0.5%
Water	Balance

Sample Procedure for Coating Primer on Polyolefin:

- Clean the substrate from contamination (dirt, oil grease, etc.) with isopropyl alcohol or other appropriate solvent.
- Dry the surface thoroughly after cleaning.
- Prepare the primer solution for application. Dilute the stock solution down to 3% to 10% solids with water.
- Add wetting agent (e.g. APFS-14) to improve the wettability.

TYPICAL PROPERTIES

Solids Content, %:	30
Appearance: Milky white to light yellow liquid	
pH:	~9
Specific Gravity (@25°C):	1.02

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- Apply the solution to the substrate at 0.1 to 0.2 mil (dry film thickness) using a Meyer rod, blade coater, spraying or brushing.
- The topcoat can be applied as soon as the primer is dry (usually 5 to 15 minutes at temperatures above 180°F (82°C)).

Results:

% Solid Content	LDPE	HDPE
Untreated	0B	0B
1%	0B	3B
3%	4B	3B
5%	5B	5B
10%	5B	5B
Drying Conditions	Primer: 180° F X 15 min; Topcoat: Ambient X 24 Hrs.	
Topcoat Used	Alkyd Based Multi-Purpose Enamel Spray	

CROSS CUT ADHESION TEST RATING¹

1) Measured at 25° C

Rating	Area Removed
5B	0%
4B	<5%
3B	5-15%
2B	15-35%
1B	35-65%
0B	>65%

STORAGE

Protect AdvaBond® 7302 from freezing. Product quality testing should be performed before using the product.

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AdvaBond® 8100

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