



ADVANCED POLYMER, INC.

GET THE API ADVANTAGE . . .

AdvaBond® 8117

AdvaBond®8117 is a chlorine-free adhesion promoter for low surface energy polyolefins, especially polypropylene containing substrates. AdvaBond®8117 can be used as a primer or as an additive to a coating and/or adhesive formulation.

CHARACTERISTICS

- Designed to enhance the performance of products on untreated polyolefin or non-polyolefin plastic substrates
- Adheres to most automotive plastics
- Excellent chemical and fuel resistance
- Solution provided in a non aromatic solvent

SUBSTRATE PREPARATION FOR APPLICATION

1. Clean the substrate with isopropyl alcohol or other appropriate solvent to remove all contamination (dirt, oil grease, etc). Dry the surface thoroughly after cleaning.
2. Apply the solution as primer on substrate using a Meyer rod, blade coater, spray or brush.
3. Recommended loading levels can range from 1–10% on an active basis—depending on application and level of performance required.
4. Dry and cure at ambient or elevated temperature until fully cured.
5. Test the degree of adhesion using various test methods.

TEST PERFORMANCE DATA

Products Evaluated:

1. No primer
2. Autobody Acrylic Primer
3. Automotive Plastic Primer—Chlorinated Polyolefin (in Xylene)
4. AdvaBond®8117 (in cyclohexane)

Primers were applied on TPO via HVLP spray gun.
Basecoat was applied on top of primer after fully dried and cured.
2K Clear coat was applied on top of basecoat

TYPICAL PROPERTIES

Solids:	20.0
Solvent:	Non Aromatic
Viscosity (mPa*s)b:	1000
Tm Base Resin (°C):	75
Supply Form:	Solution
Application:	Paint/Adhesive

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AdvaBond®-8117

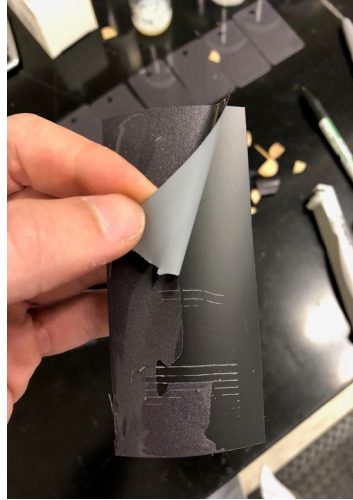
Evaluation: Cross hatch (ASTM D3359)

Cross hatch: No primer

Cross hatch: Acrylic Primer

Cross hatch: CPO

Cross hatch: AdvaBond®-8117



Evaluation: Resistance to Fuels of Exteriors Automotive Materials and Components (GMW14333)

Fuel Immersion: No primer

Fuel Immersion: Acrylic Primer

Fuel Immersion: CPO

Fuel Immersion: API-8117AP



You may also be interested in . . .

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I want to know more!

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