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ARON ALPHA PP-Primer



All recommendations, statements, and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either express or implied. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any products or methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide.

FEATURES

PP primer is specially formulated for Aron Alpha adhesive to achieve effective bond to difficult bonding plastics.

PP Primer are effective on the following materials:

- Soft PVC
- PP(Polypropylene)
- PE(Polyethylene)
- PU(Polyurethane)
- EPDM(ethylene-propylene rubber)

PHYSICAL PROPERTIES

Appearance	Colorless Transparent Liquid
Solvent	Heptanes
Boiling Point	208°F/98°C
Specific Gravity	0.68
Flash Point	-43°C (-45°F)

Directions

Wipe the bonding surface(s) with a primer-soaked-cloth lightly one or two times and air dry. Apply adhesive and bond.

****Caution****

Too much coating of the primers on the bonding surface(s) weakens the bonding strength.

Setting Times for various materials (sec)

	With PP Primer	No PP Primer
PP(Polypropylene)	5	>60
PE(Polyethylene)	5	>60

Adhesive: Aron Alpha 201

Bonding Strengths (Shear measured in kgf/cm² for various materials)

	With PP Primer	No PP Primer
PP(Polypropylene)	4.5*	0
PE(Polyethylene)	3.2	0
EPT Rubber	0.9*	0.5
PVC (soft)	1.2*	0.6
PMMA	3.0*	3.5*
PC	6.8*	6.8*
ABS	6.6*	6.5*

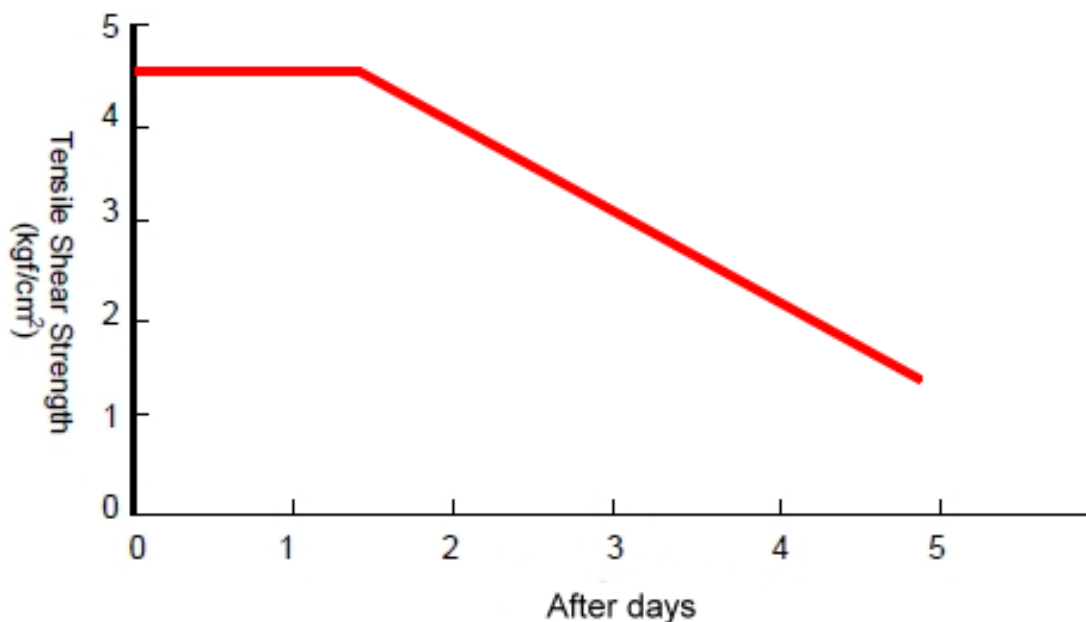
Adhesive: Aron Alpha 201

*Material failure

Open Time for PP Primer :

Bonding Material: Polypropylene(PP)

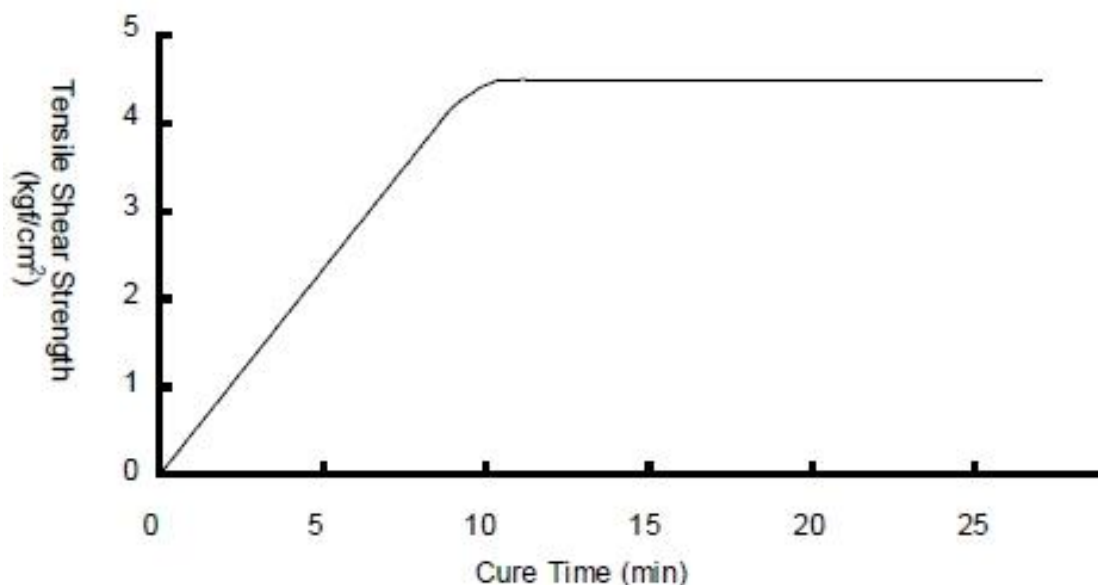
Adhesive: Aron Alpha 201



Cure Time for PP Primer :

Bonding Material: Polypropylene(PP)

Adhesive: Aron Alpha 201



Test conditions—Test specimen

Tensile strength: 0.5 x 0.5 x 1.5 inch; bonded area 0.25 sq. inch
Tensile shear strength: for plastic and rubber 0.1 x 1.0 x 4.0 inch; bonded area 0.5 sq. inch
for metal 0.064 x 1.0 x 4.0 inch; bonded area 0.5 sq. inch

Impact Strength: 1.0 x 1.0 x 0.375 inch and 1.0 x 1.75 x 0.75; inch

T-Peeling Strength: 12.0 x 1.0 x 0.1 inch; bonded area 9.0 sq inch

Bonding atmosphere: 72-75°F (22-24°C), 58-62% relative humidity

Testing Methods: ASTM D2095, D3164, D1002, D950, and D1876

Handling Precautions

Volatile liquid, vapor. Use in well ventilated area. Avoid contact with skin. If swallowed, call a doctor. Use protective mask and gloves if necessary. After use wash hands thoroughly with soap and water. KEEP OUT OF REACH OF CHILDREN.

Storage

Keep in a dark and cool place. Never store with Aron Alpha adhesives

Disclaimer:

Please be advised that test results are those which were prepared at Toagosei America's laboratory. The results may vary under actual application conditions.