



**P-78  
HIGH HEAT  
FILLER/FAIRING  
COMPOUND**  
SANDABLE, LONG WORK LIFE

**PRODUCT BULLETIN**



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**DESCRIPTION**

P78 high-heat polyester filler and fairing compound offers the user a smooth workable paste with a 40 to 50 minute work life for larger fairing and repair jobs. This material can be applied with a squeegee, spatula, or flat tool, and once cured can be filed or sanded to a feather-edge. P78 can withstand temperatures up to 446°F (230°C) to eliminate the “print-through” that is associated with conventional polyester fillers. P78 has excellent adhesive and bond strength to fiberglass, SMC, FRP, epoxy, graphite, and Kevlar® composites as well as aluminum, wood, and other substrates. Once cured this material accepts virtually all types of coatings and decorative films with no “bleed out”.

**USES**

- Gel coat and blister repair
- Repair of damaged fiberglass parts
- Filling cloth imprint on FRP panels
- Edge filling on honeycomb panels

**BENEFITS**

- Easy to apply – Easy to sand
- High heat-resistant to 446°F (230°C)
- Accepts virtually all types of finishes
- Low Moisture absorption for above or below the waterline applications
- No shrink or sink upon cure
- Longer work like for larger fairing
- Bonds to Epoxy

**TYPICAL HANDLING CHARACTERISTICS @ 77°F (25°C)**

Mix Ratio with BPO Paste (by weight) .....	100R/2H
Mixed Viscosity .....	Smooth Creamy paste
Specific Gravity .....	0.95 g/cc
Work Life(100 gram mass) .....	40-50 minutes
Finish Schedule .....	2-4 hours
Shelf Life (in original unopened containers) .....	1 year
Storage Requirement .....	40°F-80°F (4°C-27°C)

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**APPLICATION INSTRUCTIONS:**

- For best results, clean damaged areas thoroughly and remove any surface contaminants such as paint, oil, wax, dirt, etc.
- Allow surface to dry completely. Damp or wet surfaces can inhibit the bonding strength and curing of the filler paste.
- Sand damaged area. A slightly rough texture will provide a good surface for the filler to bond properly.
- Stir contents of can thoroughly using a spatula or putty knife. Place the required amount of filler and cream hardener on a disposable clean surface.
- Mix 100 parts resin paste to 2 parts cream hardener by volume(i.e. size of golf ball paste to a two-inch strip of cream hardener).
- Setup time of mix at room temperature will be 40-50 minutes and may be adjusted faster or slower by increasing or decreasing the amount of hardener.

**CAUTION: TOO MUCH HARDENER CAN CAUSE GUMMINESS IN THE FILLER**

Typical Material Properties	Test Method	Test Value
% Water Absorption	ASTM D-570	0.82%
Heat Resistance	N/A	446°F (230°C)
Hardness	ASTM D-2240	75 Shore D
% Tensile Elongation	ASTM D-638	2.2%
Adhesive Pull Strength	Test Method	Test Value
Polyester Filler	ASTM D-4541	400psi (3MPa)
Mahogany	ASTM D-4541	540psi (4MPa)
Epoxy Glass Laminate	ASTM D-4541	430psi (3MPa)

Typical properties are only provided as a general guideline and are not to be construed as specification.

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