

TECHNICAL DATA SHEET

P-78

POLYESTER FILLER / FAIRING

LONG WORK LIFE, HIGH TEMPERATURE, STYRENE-FREE

DESCRIPTION

*P-78 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. P-78 can withstand temperatures up to 400°F (204°C) to eliminate the “print-through” that is associated with conventional polyester fillers. P-78 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”*

APPLICATIONS

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

PROPERTIES

- Easy to apply – easy to sand
- High heat resistance 400°F (204C)
- Minimal shrinkage
- Accepts all types of finishes
- **Longer work time** for larger fairing or fills
- Low density
- Low moisture absorption for above and below waterline
- Bonds to Epoxy, vinyl ester, polyester, and many substrates

PHYSICAL PROPERTIES

	Units	P-78	Cream Hardener	Mixed
Composition		Polyester resin	BPO	Polyester paste
Mix ratio – by weight		100	2	100/2
Aspect		Grain free paste	Paste	Smooth creamy paste
Color	Visual	White	White	White
Density at 77°F (25°C)	lbs./gal (g/cc)	7.9 – 8.5 (.95 – 1.02)	10.0 (1.2)	8.2 (.98)
Working time (100g) at 77°F (25°C)	Minutes			40 – 50
Vertical sag	Inches			.15 - .25

MECHANICAL AND THERMAL PROPERTIES - Cure schedule: 7 days/77°F (25°C)			
Property	Test Method	Units(s)	Test Results
Hardness	ASTM D2240	Shore D	75
Adhesive pull strength to: Polyester Filler – Mahogany – Epoxy glass laminate -	ASTM D-4541	psi (MPa)	400 (2.8) 540 (3.7) 430 (3.0)
Water absorption (%) 24 hr @ room temperature	ASTM D-570	%	0.08
Peak service temperature		°F (°C)	400 (204)
Sanding time		Hours	2 -4

HANDLING PRECAUTIONS

Normal health and safety precautions should be observed when handling these products:

- Ensure good ventilation.
- Wear gloves, glasses and protective clothes.

For further information, please consult the Safety Data Sheets.

STORAGE CONDITIONS

- Product shelf life of polyester resin is 12 months when stored in original unopened containers between 65 – 77°F (15 – 25°C). Any opened can must be tightly closed.
- Product shelf life of BPO hardener is 18 months when stored in original unopened containers between 65 – 77°F (15 – 25°C). Any opened can must be tightly closed.
- Polyester resin contains filler which has the potential to separate in time, please re-homogenize prior to use.

PACKAGING

Packaging information on request, please contact your local sales representative or find your local contact on www.sikaadvancedresins.us

CONTACT

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