



**P-17  
HIGH HEAT RESISTANT  
RIGID FILLER  
GRAY, BLACK, WHITE**



**www.axson-technologies.com**  
**31200 Stephenson Hwy**

**800.344.7776**  
**Madison Heights, MI 48071**

**axsonmh@axson.com**  
**Ph 248.588.2270 Fax 248.588.5909**

**DESCRIPTION**

P-17 high heat resistant filler set-fast system has uses in aerospace, aircraft, automotive, tooling, manufacturing and final fabrication where potential exposure to elevated temperatures up to 446°F (230°C) have to be tolerated either for short term or continuous periods. P-17 offers the user a smooth workable paste with set-fast cure to expedite those applications for repair or finish. P-17 can be applied with a squeegee, spatula or flat tool. The cured material can be finished by mechanical sanding, grinding, scraping, etc., to a feather edge. This filler has excellent adhesive and bond strength to fiberglass, SMC, BMC, RIM, FRP, epoxy, graphite and Kevlar® composites as well as aluminum, plaster and other substrates. P-17 high heat resistant filler when cured and finished accepts virtually all types of coatings and decorative film without any blush or discoloration. **Typical applications include: Aircraft interior panels, FRP panels-filling cloth imprint, nose cone porosity, edge filling on honeycomb, changes & repairs to vacuum form molds, drill fixtures, potting bushings, gel-coat repairs on production molds, SMC mold porosity in molded parts, and many other applications.**

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

Mix Ratio (parts by weight or volume) .....	100R/2H
Mixed Consistency .....	Creamy Paste
Specific Gravity .....	1.59g/cc
Work Life (100 gram mass) .....	5-7 minutes
Finish Schedule (100 gram mass) .....	15 minutes
Hardness.....	80 Shore D
Shelf Life (in original unopened containers).....	1 Year
Storage Requirement.....	40°F - 80°F (4°C-27°C)

**TYPICAL PHYSICAL PROPERTIES**

Tensile Strength (ASTM D-638.91) .....	4074psi (28MPa)
Tensile Elongation (ASTM D-638.91).....	1.2%
Flexural Strength (ASTM D-790.92).....	7080psi (49MPa)
Compressive Strength (ASTM D-695.91) .....	8992psi (62MPa)
Shrinkage (Cast Bar)(ASTM D-2566.86).....	0.00982 in/in
Coefficient of Linear Thermal Expansion (TMA) (ppm/°F (°C)) .....	25 (46)
Water Absorption after 24 hours immersion in distilled water (ASTM D-570).....	0.149%

NOTE: All high heat resistant systems typically exhibit a slight color change at the extreme end of the elevated temperature range when used in tooling repairs.

**MIXING INSTRUCTIONS**

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 paste to 2 parts BPO cream hardener by weight; i.e. size of golf ball (paste) to a two inch strip of BPO catalyst. Set up time of mix at room temperature will be 5-10 minutes and may be adjusted faster or slower by increasing or decreasing the amount of hardener, the use of too much hardener can cause gumminess in the filler. After 15-20 minutes the filler may be filed or sanded to final finish.

® Registered trademark of E.I. DuPont deNemour

P-17 Tech/Revised 1/20/15  
Supersedes 10/9/14

The information contained in this technical data sheet results from research and tests conducted in our laboratories under precise conditions. Seller cannot anticipate all conditions under which seller's products, or the products of other manufacturers in combination with seller's products, may be used. It is the responsibility of the user to determine the suitability of the Axson Technologies' products, under their own conditions, before commencing with the proposed application. In no event shall Axson Technologies, Inc. be liable for any direct, indirect, punitive, incidental, special, and/or consequential damages, to property or life, whatsoever arising out of or connected with the use or misuse of our products.

<b>AXSON TECHNOLOGIES US</b> +1 248 588 2270 axsonmh@axson.com axson-na.com	<b>CHINA</b> +86 21 58 68 30 37 marketing.china@axson.com	<b>GERMANY</b> +49 6 07 44 07 11-0 verkauf@axson.com	<b>INDIA</b> +91 20 25 56 07 10-11 info.india@axson.com	<b>ITALY</b> +39 02 96 70 23 36 axson@axson.it	<b>JAPAN</b> +81 5 64 26 25 91 sales.japan@axson.com	<b>FRANCE</b> <b>Global Headquarters</b> +33 1 34 40 34 60 axson@axson.com axson-technologies.com
	<b>MEXICO</b> +52 55 52 64 49 22 marketing@axson.com.mx	<b>MIDDLE EAST</b> +971 7 2432227 axsonmideast@axson.com	<b>SLOVAKIA</b> +42 1 76 42 25 26 axson.sk@axson.com	<b>SPAIN</b> +34 9 32 25 16 20 spain@axson.com	<b>U.K.</b> +44 16 38 66 00 62 sales.uk@axson.com	