

PS 8802-2 TC parts A/B

Flexible, Thermally Conductive Polysulfide Compound

PS8802-2TC A/B is a two part polysulfide compound with a thixotropic paste consistency that is suitable for use as an adhesive or filleting compound. It cures at room temperature or can be accelerated with heat. The PS 8802-2TC provides excellent adhesion to aluminum, magnesium, titanium, steel, and many other materials.

PS8802-2TC cures to form a flexible, resilient polysulfide rubber that is thermally conductive, and resistant to most fuels including jet fuels contain sulfur compounds. The cured rubber is also resistant to most oils and lubricants, to water, and to environmental weathering.

Alternate work-life and cure time versions of the PS8802-2TC are available, as are alternate viscosities and colors. Please contact us to discuss your application if these sorts of variants might be of interest for your applications.

BENEFITS & SUGGESTED APPLICATIONS:

- Suitable for many adhesive and filleting applications
- Fuel, oil, water, and weathering resistant
- Run and sag resistant
- Flexible, resilient rubber when cured

HANDLING PROPERTIES	<u>VALUE</u>	<u>TEST METHOD</u>
<u>PS 8802-2TC part A</u>		
Visual Appearance	White to off-white	
Consistency	Smooth Paste	
Density, Part A	~2.05 g/cm ³	ASTM E-201
Viscosity, Part A, @ 25°C	~280,000 cps	ASTM D-2393
Flash Point	~90°F	ASTM D-92
<u>PS 8802-2TC part B</u>		
Visual Appearance	Dark Gray to Black	
Consistency	Smooth Semi-Paste	
Density,	2.0 g/cm ³	ASTM E-201
Viscosity, Part B, @ 25°C	110,000 cps	ASTM D-2393
Flash Point	>200°F	ASTM D-92
Mix Ratio by weight	100A : 5B	
Pot life, 100 grams mass	~ 2 hours	
Tack Free Time	< 24 hours	
Cure Schedules: At 25°C and 50% relative humidity the minimum cure time will be 48 – 72 hours. Product can also be heat cured for 6 hours at @ 165°F (74°C).		

PHYSICAL PROPERTIES

	<u>VALUE</u>	<u>TEST METHOD</u>
Color	Dark Gray	Visual
Shore D Hardness	50A – 70A	ASTM D-2240
Tensile Strength, psi	>300 psi	ASTM D-638
Tensile Elongation at break	>100%	ASTM D-638
Thermal Conductivity, W/mK	0.83	
Volume Resistivity, ohm-cm	> 1.0 x10 ¹⁰	ASTM D-257
Dielectric Constant, 1KHz	9.7	ASTM D-150
Dissipation Factor, 1KHz	0.08	ASTM D-150

PROCESSING AND APPLICATION INSTRUCTIONS :

To use, weigh Part A and Part B into a clean mixing container. Mixing containers should preferably be made of polypropylene, polyethylene, glass, or non-corroding metal. (Stainless steel, aluminum, etc.). Always use weighing equipment having accuracy that is $\pm 1\%$ or less of the smallest quantity that you will be weighing. Blend Part A & B thoroughly by using a spatula or stirring stick for at least 1 minute using a kneading motion. Scrape the bottom and sides of the mixing container carefully and frequently to produce a uniform mixture.

Apply to clean, dry surfaces. For best adhesion, abrade the surface with a wire brush, scouring pad, steel wool or coarse sand paper. After abrasion, clean the surface of any loose material and degrease with solvent or detergent to remove any contaminants. The material may then be applied with any suitable application method include brushes, spatulas, trowels, etc.

PACKAGING AVAILABLE:

This product can be supplied in pint and quart kits. Other kit sizes may be available upon request.

This compound can also be supplied in pre-mixed and frozen syringes, which have a shelf-life of 90 days from date of shipment when stored at -40C. Premixed and frozen syringes are ready to use once thawed, prevent mixing errors, ensure consistent quality, and reduce waste.

Please contact us for more information about special packaging options.

STORAGE GUIDELINES:

Store 2 – part kits in a clean, cool and dry environment in their tightly closed original containers. Protect the contents of the containers from extended exposure to high humidity and tightly re-seal containers after use to prevent solvent from escaping. If the recommended storage conditions are observed the products will have a minimum shelf-life of 12 months from the date of shipment.

HANDLING PRECAUTIONS:

Mandatory and recommended industrial hygiene procedures should be followed whenever these products are being handled and processed. For additional information please consult the corresponding material safety data sheets.

PERSONAL HYGIENE:

PS 8802-2TC part A

WARNING! May cause eye & skin irritation. Prolonged or repeated skin contact or inhalation of vapors may cause allergic skin or respiratory reactions. Possibly harmful if inhaled or swallowed. Avoid contact with eyes, skin, or clothing. Wear eye protection and impervious gloves when handling. Wash thoroughly after handling. Avoid breathing vapor or mist. Keep containers closed when not in use. Use only with adequate ventilation. Do not take internally.

PS 8802-2TC part B

WARNING! May cause eye & skin irritation. Prolonged or repeated skin contact or inhalation of vapors may cause allergic skin or respiratory reactions. Avoid contact with eyes, skin, or clothing. Wear eye protection and impervious gloves when handling. Wash thoroughly after handling. Avoid breathing vapor or mist. Keep containers closed when not in use. Use only with adequate ventilation. Do not take internally.

FIRST AID

In case of contact:

Skin – Immediately wash skin thoroughly with mild soap and water. Remove contaminated clothing and wash before reuse. Destroy contaminated shoes and other articles made of leather.

Eyes – Immediately flush eyes with plenty of water for 15 minutes and get prompt medical attention.

Inhalation - Remove person to fresh air. Administer oxygen or artificial respiration if necessary. Call a physician.

Ingestion - Do not induce vomiting. Dilute with plenty of water and contact physician immediately. Never give anything by mouth to an unconscious person.

DISCLAIMER:

IMPORTANT: The following supercedes Buyer's documents. **SELLER / MANUFACTURER MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller / Manufacturer be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results presented are based on controlled or laboratory work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended

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