

GENERAL SEALANTS, INC.

GS# 580B Sealant

Technical Data Sheet

PRODUCT DESCRIPTION

GS# 580B Sealant is a high temperature vacuum bag sealant tape formulated from silicone, used primarily for high temperature curing in the aerospace and composite industries. It is structurally reinforced with flame retardant, heat stabilizing fibers and adheres to high-temperature Thermalimide film. GS# 580B is ideal for autoclave cure cycles from 350°F (177°C) to 600°F (316°C).

PRODUCT ADVANTAGES

- Can intermittently withstand temperatures of 600°F (316°C)
- Strips clean from tooling surface post cure
- No special tools required
- Fast and easy to apply by hand
- Non-Hazardous
- Adheres to Thermalimide film
- Autoclave cures from 350°F (177°C) to 600°F (316°C)

APPLICATION

Surface should be clean and dry for maximum bond. Apply the sealant by hand to the tooling surface pressing the sealant firmly into place. When ready to apply the film, remove the release liner from the sealant and apply the film to the sealant. It is recommended to use a roller to run the entire area of the sealant applying firm pressure to achieve the best seal.

Product is not considered hazardous to skin however wash hands before eating. DO NOT TAKE INTERNALLY.



TYPICAL PHYSICAL PROPERTIES

Chemical Base	Silicone
Color	Black
Specific Gravity (ASTM D 792)	1.33
Total Solids	100%
Penetration (ASTM D 217) cone at 72°F / 150 grams	70-80 (7.0 to 8.0 mm)
Rolling Ball Tack (ASTM D 3121)	< 15.0 cm (11/16" Ball)
Elongation (ASTM D 1000)	> 300%
Weight Loss (ASTM C 771)	< 3.0%
Odor	None
Adhesion	Good
Water Resistance	Excellent
Corrosion Resistance	Good
Service Temperature	Room temp. to 600°F (316°C)
Shelf Life (Storage At 72°F/22°C)	6 Months from DOM

NOTE: TECHNICAL INFORMATION AND DATA SHOULD BE CONSIDERED REPRESENTATIVE OR TYPICAL ONLY AND SHOULD NOT BE USED FOR SPECIFICATION PURPOSES.

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PACKAGING

GS# 580B Sealant is available in a wide range of extruded sizes supplied in roll form on a release liner. The standard sizes are 1/8" x 1/2" x 25' (40 Rolls/Case) and 1/8" x 3/4" x 25' (28 Rolls/Case) but other custom sizes are available.

STORAGE AND HANDLING

Material should be stored at 72°F (22°C) in a dry area in its original sealed case and case must remain right side up.

For more information on GS# 580B Sealant, please email Sales@GeneralSealants.com or call (800)-762-1144 to speak with our Sales Department.

USER'S RESPONSIBILITY

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