

GENERAL SEALANTS, INC.

GS# 700R Sealant

Technical Data Sheet

PRODUCT DESCRIPTION

GS# 700R 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# 700R can be used on cure cycles from room temperature to 500°F (260°C).

PRODUCT ADVANTAGES

- Strips clean from tooling surface post cure
- No foaming or bubbling at elevated temperatures
- No special tools required
- Fast and easy to apply by hand
- Non-Hazardous
- Adheres to Thermalimide film
- Room temp. to 500°F (260°C) cure cycles

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



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| Chemical Base | Silicone |
| Color | Reddish Brown |
| Specific Gravity (ASTM D 792) | 1.38 |
| 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 500°F (260°C) |
| Shelf Life (Storage At 72°F/22°C) | 12 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# 700R 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# 700R Sealant, please email Sales@GeneralSealants.com or call (800)-762-1144 to speak with our Sales Department.

USER'S RESPONSIBILITY

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