

# GENERAL SEALANTS, INC.

## GS# Xtreme HT Sealant

### Technical Data Sheet

#### PRODUCT DESCRIPTION

GS# Xtreme HT Sealant is a new and improved state of the art ultra-high temperature vacuum bag sealant formulated from a custom blend of silicones and designed specifically for extreme temperature thermoplastic processing. This sealant is structurally reinforced with heat stabilizing fillers and has great adhesion to high temperature Thermalimide film. GS# Xtreme HT Sealant gets tackier when heated. GS# Xtreme HT Sealant is ideal for autoclave cure cycles from 350°F (177°C) to 800°F (427°C).

#### PRODUCT ADVANTAGES

- Can intermittently withstand temperatures of 800°F (427°C)
- Strips clean from tooling surface post cure
- No special tools required
- Fast and easy to apply by hand
- Non-Hazardous
- Strong adhesion to Thermalimide film
- Autoclave cures from 350°F (177°C) to 800°F (427°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

<b>Chemical Base</b>	Silicone
<b>Color</b>	Purple
<b>Specific Gravity (ASTM D 792)</b>	1.15
<b>Total Solids</b>	100%
<b>Penetration (ASTM D 217) cone at 72°F / 150 grams</b>	75-85 (7.5 to 8.5 mm)
<b>Rolling Ball Tack (ASTM D 3121)</b>	< 25.0 cm (11/16" Ball)
<b>Elongation (ASTM D 1000)</b>	> 300%
<b>Weight Loss (ASTM C 771)</b>	< 3.0%
<b>Odor</b>	None
<b>Adhesion</b>	Good
<b>Water Resistance</b>	Excellent
<b>Corrosion Resistance</b>	Good
<b>Service Temperature</b>	Room temp. to 800°F (427°C)
<b>Shelf Life (Storage At 72°F/22°C)</b>	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# Xtreme HT 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# Xtreme HT Sealant, please email [Sales@GeneralSealants.com](mailto:Sales@GeneralSealants.com) or call (800)-762-1144 to speak with our Sales Department.

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