

GENERAL SEALANTS, INC.

GS# 850-HT Sealant

Technical Data Sheet

PRODUCT DESCRIPTION

GS# 850-HT Sealant tape is formulated from a blend of unique silicones specifically designed for ultra-high temperature applications. This sealant has great elongation, good surface tack to most application surfaces, and provides for a permanently flexible water and airtight seal. GS# 850-HT sealant has been shown to intermittently withstand temperatures of up to 800°F providing a wide range of application possibilities in the HVAC, Industrial Manufacturing, OEM Automotive, and Electrical Industries.

PRODUCT ADVANTAGES

- Can withstand temperatures up to 800°F
- Non-Hazardous
- Fast and easy to apply by hand
- Good adhesion to most surfaces
- Good ductility
- Allows for expansion and contraction of sealed joints
- Service temperature of -20°F to 800°F (-29°C to 427°C)

APPLICATION

Surface should be free of moisture, oil and dust for maximum bond. Apply the sealant by hand to the application surface and press the sealant into place with the release liner still adhered to the sealant on one side to prevent contamination. Remove release liner when ready to apply the sealant to remaining application site. Ideal application temperature is 45°F (7°C) or above.

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



TYPICAL PHYSICAL PROPERTIES

Chemical Base	Silicone
Color	Reddish-Orange
Specific Gravity (ASTM D792)	1.17
Total Solids	100%
Penetration (ASTM D217) cone at 72°F / 150 grams	62-75 (6.2 to 7.5 mm)
Rolling Ball Tack (ASTM D3121)	25 cm max (11/16" Ball)
Flexibility (ASTM C765)	No cracking or loss of adhesion at -10°F (-23°C) when bent around 3/8" mandrel (9.5mm)
Staining (ASTM D925)	Will not stain painted or unpainted surfaces
Odor (ASTM D1833)	None
Vehicle Bleed Out (ASTM C772)	No exudation of vehicle on Whatman No. 40 filter paper
Resistance to Fungus/Mildew Growth	Will resist fungal attack and mildew growth
Tensile Adhesive Strength (ASTM C907)	14 psi (typical failure mode 100% cohesive)

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TYPICAL PHYSICAL PROPERTIES CONTINUED

Adhesion	Good
Water Resistance	Excellent
Service Temperature	-20°F to 800°F (-29°C to 427°C)
Shelf Life (Storage at 72°F/ 22°C)	1 Year from DOM

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

PACKAGING

GS# 850-HT Sealant is available in a wide range of extruded sizes supplied in roll form on a release liner.

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# 850-HT Sealant, please email Sales@GeneralSealants.com or call (800)-762-1144 to speak with a representative from our sales department.

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