



## NuFlex® 302 Hi-Temp Silicone Sealant

### Finish/Color

Black

Red

### DESCRIPTION

#### Maintains elastic properties between -80 to 600°F

NuFlex Hi-Temp silicone is a one-part 100% silicone with a toothpaste-like consistency. It cures when it is exposed to moisture in the air to form a tough rubbery seal.

NuFlex® 302 HT was formulated to perform at temperatures ranging from -65°C to 260°C (-85°F to 500°F) under continuous operating conditions. During intermittent exposure, NuFlex® 302 HT will withstand temperatures as high as 316°C (600°F). It is ideal for a number of sealing and bonding applications.

### ADVANTAGES AND BENEFITS

- NSF Approved - 100% Silicone - 100% RTV - Adheres to many substrates - Withstands up to 316°C (600°F) - Permanently flexible - Quick curing - Moisture, heat and vibration resistant - Multiple uses

### AVAILABLE PRODUCTS

Product #	Finish/Color
94160090	Black
94160080	Red

### TECHNICAL SPECIFICATIONS

Brand	Nuco
Base	100% RTV Silicone
Optimal Adherence to	Aluminum, Steel
Features	High Heat Resistance, Thermal Resistance
Tack-Free / Skin Over Time	10 to 20 minutes
Tooling Time	Immediately tool the sealant
Packaging Specifications	Plastic Cartridge
VOC Concentration (EPA Method 24)	30 grams per liter
Recommended Use	Marine / Recreative Vehicle
Volume	300 ml
Standards and Certifications	NSF

## APPLICATION

Ideal for - Encapsulating heating elements in appliances - Aerospace gasketing - Moving oven belts - Industrial ovens - Bag filters on smoke stacks It is also used in applications for other critical bonding, sealing, potting, encapsulating and protective coatings where parts must perform at high temperatures. There are also many applications for NuFlex® 302 Hi-Temp in and around automobiles, RVs, boats and in small engines. It can be used for making and/or replacing expensive paper and cork gaskets in water pumps, timing chain/belt covers, rocker covers, heat risers, and any area where high temperatures and vibration are prevalent.

## IMPORTANT INFORMATION

Do not use in direct contact with fuels such as gasoline or diesel fuel. NuFlex® 302 Hi-Temp is supplied ready-to-use. It flows readily from its container under pressure. The paste-like consistency makes it easy to work with; a spatula or wooden paddle can be used to tool the surface. Tack-Free Time: Curing progresses inward from the surface. At conditions of 25°C (77°F) and 50% relative humidity, a tack-free skin forms within 10-20 minutes. Tooling should be completed immediately after application. If masking tape is used to mask an area, it must be removed before the tack-free skin forms. Cure-Time: Cure time is affected by relative humidity, degree of confinement and cross-sectional thickness of the sealant. Sections up to 3.2 mm (1/8") thick become rubbery solids in about 24 hours at room temperature and 50% relative humidity. In applications where NuFlex® 302 Hi-Temp may be partially or totally confined during cure, the time required for proper cure is generally lengthened by the degree of confinement. Every application involving confinement during cure should be thoroughly tested before production commences. Curing time increases with the thickness of the sealant. A 12.7 mm (1/2") cross section for example, may require 3 or 4 days for complete cure. However, the cure will have penetrated the outer 3.2mm (1/8") in about 24 hours.

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## PRODUCT PHOTOS

