

TECHNICAL DATA SHEET

PRODUCT #AC-11606-Red

Description:

AC-11606 High Temp Red Silicone is a high quality, single-component, 100% silicone sealant which contains no solvents or fillers. Use in high heat applications not exceeding 650° F (343° C). It adheres to metal, glass, marble, tile, ceramic, porcelain, painted surfaces, non-oily woods, and rubber. It can be used as an adhesive for bonding surfaces together.

Typical Properties, As Supplied:

RTV:.....Room Temperature Vulcanizing
Color:.....Red
Specific Gravity at 77° (25°C).....1.04
Extrusion Rate (3.18 mm orifice, 90 psi air
Pressure) g/min:.....400
Flow, Sag, Slump:.....NIL
Application Temperature Range, °F (°C)-34 to 140 (-37 to 60)
Tooling Time, Minutes:.....5-11
Tack Free Time, Minutes:.....10-20
Cure Time at 77°F (25°C) and 50% RH
(3.18 mm thickness), hrs.:.....24

Typical Properties, As Cured (7 Days)

Durometer Hardness, Shore A, Points (ASTM 2240):.....30
Tensile Strength, Mpa (psi) (ASTM D412):.....4 (375)
Elongation, percent (ASTM D412):.....600
Brittle Point, F (C) (ASTM D746):.....-100 (-38)
Peel Strength, ppi:.....20
Temperature Range:
Continuous operating temperature, Max:.....450° F (232° C)
Intermittent operating temperature, Max:.....650° F (343° C)

Specifications:

USDA for use in federally inspected meat and poultry plants, FDA reg. #21, CFR 177.2600, TT-S-0015443A (COM-NBS) Class A, TT-S00230C (COM-NBS) Class A Mil-A-46106B Amend. 3, Type 1. Canadian 19-GP-9MA type 1. Conforms to NSF Standard 51.

Limitations:

AC-11606-Red High Temp Sealant is not recommended for use in applications involving:

- Temperatures exceeding 650° F (343° C)
- Structural silicone glazing
- Prolonged water immersion
- Porous water immersion
- Materials that bleed oils or solvents
- Surfaces to be painted...conventional paints will not adhere

Packaging:

AC-11606 Red High Temp Silicone is supplied in a 10.1 oz (300ml) caulking cartridge, 7.25 oz pressurized can, 3 oz squeeze tube, 5 gallon pails, and 55 gallon drums

Warranty and Shelf Life:

Each application should be pre-tested for suitability of this product for the intended use. When stored in the original, unopened container at temperatures less than 90° F (32° C), AC-11606 Red High Temp Silicone is guaranteed for one year from date of purchase.