COMPONENT HARDWARE™
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PRODUCT DATA SHEET

Component Hardware Silicone Sealant – High Temperature Red
Model #M90-1018

Product Description: A general purpose acetoxy-cure silicone sealant used in bonding and sealing applications and as a formed-in-place gasket. High Temperature Red is suitable for use in commercial cooking hood applications.

Product Features:

- One-part adhesive/sealant
- Cures at room temperature when exposed to moisture in the air
- Acetoxy-cure system
- Non-sag, paste consistency
- Easy to apply
- Cures to a tough, flexible rubber
- Good adhesion to many substrates
- Stable & flexible from -60°C (-76°F) to 204°C (400°F) with intermittent peaks to 260°C (500°F)
- Resistant to sunlight, rain, sleet, snow, UV radiation, ozone and temperature extremes
- Retains design properties, even after years of exposure – seals remain watertight and weatherproof
- FDA approved – meets extraction requirement 21 CFR 177.2600
- NSF Listed – Standard 51
- UL Recognized
- ASTM C920 Type S, NS Class 25
- USDA Rating P-1

Product Limitations:

Component Hardware Silicone Sealant – Aluminum is not recommended for the following applications:

- Structural silicone glazing
- Joints where physical abuse or abrasion is likely to be encountered
- Prolonged water emersion
- Porous surfaces, such as masonry
- Building materials that may bleed oils, plasticizers or solvents, such as impregnated wood, oil-based caulks, green or partially vulcanized rubber gaskets or tapes

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- Totally confined spaces, as the sealant requires atmospheric moisture to cure
- Surfaces sensitive to corrosion by acetic acid vapors (a by-product of the curing process)
- Surfaces that will be painted, as paint will not stretch with sealant and can crack or peel. Finish all painting before applying sealant
- Bonding to secondary seal of insulating glass units sealed with two-part silicone sealants
- This product is neither tested, nor represented, as suitable for medical or pharmaceutical uses

Application Method:

Dispense from tube, caulking gun or automatic dispensing equipment

Container Sizes:

3 fl. oz. (89ml) tube, 10.3 fl. oz. (305ml) cartridge

Product Typical Properties:

Note: These values are not intended for use in preparing specifications

METHOD	TEST	UNIT	RESULT
As Supplied:			
ASTM C 679	Tack-Free Time @ 25°C (77°F), 50% RH	Minutes	10-20
	Tooling Time	Minutes	5-10
ASTM C 639	Flow, Sag or Slump		Nil
As Cured: 7 Days @ 25°C (77°F), 50% RH			
ASTM D 2240	Durometer Hardness, Shore A	Points	26
ASTM D 412	Ultimate Tensile Strength	psi (Mpa)	310 (2.1)
ASTM D 624	Tear Strength	ppi (kN/m)	22 (3.9)
ASTM C 794	Peal Strength	pli (kN/m)	22 (3.9)
ASTM C 603	Extrusion Rate	g/min	370

Additional Product Information: For further product information, please contact us by phone at 800-526-3694 or by e-mail at sales@componenthardware.com.

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