MAST TECHNOLOGIES

TECHNICAL DATA SHEET

Silicone Absorber Caulk

July 2011

Cavity Resonance Dispensable Caulk Compound

Part # MC10-0018-XX

DESCRIPTION MAST Technologies' Silicone Absorber Caulk is a two part liquid silicone which is magnetically loaded to be electrically equivalent to the Cavity Resonance sheet absorber products. Silicone Absorber Caulk can be used for prototyping and test or in production via an automated dispensing system.

APPEARANCE Two-part, pourable, grey RTV silicone

PART NUMBERING: MC10-0018-XX

01: 1 Quart Size
03: 8 oz. SEM-KIT
Other sizes available, please contact MAST Technologies.

Injection style Semkit® packages for multi-component adhesives and sealants

OPTIONS Corrosion resistant magnetic filler variant available as a different part number.

PHYSICAL PROPERTIES (values shown are under development and intended to be representative only)

Typical Properties	MC10-0018-XX
Elastomer	Liquid Silicone Elastomer
Description	Two-part, castable liquid silicone RTV
Appearance	Gray
Product Forms	Cast parts, gap filler
Electrical Properties	Equivalent to Cavity Resonance Absorbers
Hardness (Shore A)	75
Operating Temperature Range	350°F
Mix Ratio	45:1 (base/curing agent)
Working Time at Room Temperature	2 hours
Recommended Cure Parameters	>48 hours at RT
	35 min at 212°F
	20 min at 257°F
	10 min at 302°F

INSTRUCTIONS FOR USE

Mixing

Thoroughly mix just prior to use.

MAST Technologies' Silicone Absorber Caulk is supplied in two parts as lot-matched base and curing agent that are mixed in a ratio of 45 parts base to one part curing agent, by weight. After thoroughly mixing base and curing agent, agitate gently to reduce the amount of air introduced. Allowing the mixture to set for 30 minutes before pouring may be adequate for removal of the air introduced during mixing. If air bubbles are still present, vacuum de-gas may be required.

Vacuum Degassing

If you purchase a SEM-KIT, the material will be degassed. However and if required, remove air entrapped during mixing by common vacuum degassing procedure, observing all applicable safety precautions. Slowly apply vacuum, up to 28 inches Hg, to a container rated for use and of volume at least four times that of material being degassed. Hold vacuum until presence of air is no longer evident.

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