

Product
Bulletin

S109

Non-Corrosive, Silicone RTV Adhesive and Sealant

GENERAL DESCRIPTION

S109 is a non-corrosive silicone RTV that, according to MIL-A-46146A is non-corrosive to aluminum and steel. This system can be used where excellent adhesion to glass, metal, and most plastic.

SPECIFICATIONS
UNCURED

Type:	1 part, RTV silicone rubber
Appearance:	smooth, non-slump paste
Specific Gravity:	1.04
Extrusion Rate:	500 g / min (1/8" bead, 90 psi)
	Skin Over Time: 20 min.
Cure Method:	amine, moisture cure
Cure Time:	24 hrs. (1/4" bead)
Slump/Sag:	Nil

CURED

(@ 25°C & 50% RH FOR 7 DAYS,
1/4" BEAD)

Durometer Hardness, Shore A:	23
Tensile Strength, psi:	220
Elongation at Break, %:	400
Tear Resistance, ppi:	35
Coefficient of Expansion (in / in, °F 15 x 10 ⁻⁵)	
Dielectric Strength, volts/mil:	500
Volume Resistivity, ohm-cm:	9 x 10 ¹⁵
Dissipation Factor, 60 Hz:	0.001
Dielectric Constant, 60 Hz:	2.80
Temp. Range After Cure:	-60 to +204°C
Shear Strength, (lb / in ²) ² :	130
Peel Strength, lb / in ³ :	40
Shrink Factor:	Nil