

**MOSITES #14000 RTV Silicone Adhesive**

Mosites #14000 Silicone Adhesive is a fast curing, thixotropic paste silicone material that cures under ambient conditions and has excellent physical properties. It bonds readily to clean, cured silicone surfaces. Adhesion to clean, grit blasted metal surfaces is adequate, but the bond strength can be improved by using standard RTV Silicone Primers. Cure time varies depending on humidity conditions. Low humidity conditions will take longer to cure.

The physical properties shown below were obtained on approximately 0.030 inch thick cast film, cured for 72 hours at 75°F. They are typical of Mosites #14000 RTV Silicone Adhesive, but they should not be used to set Quality Control Specification minimum requirements.

<b><u>Typical Physical Properties</u></b>	
Hardness (Shore A).....	30
Tensile Strength (psi).....	350
Elongation at Break (%).....	350%
Modulus at 300% Elongation (psi).....	300
Tear Strength (ppi).....	.45
Specific Gravity.....	1.08
Dielectric Constant (at 60Hz).....	2.8
Volume Resistivity (ohm per cm).....	$2.0 \times 10^{14}$
Coefficient of Thermal Expansion (in/in/°F).....	$20 \times 10^{-5}$
Thermal Conductivity (cal/sec/cm <sup>2</sup> /°C/cm).....	0.0005