



*Silicone & Epoxy Technology*

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## **Set-Sil 793** **Thermally Conductive Silicone**

**Set-Sil 793** is an addition cure, flame retardant, RTV silicone rubber. It has high thermal conductivity, low shrinkage, and excellent heat resistance. **Set-Sil 793** is suited for commercial potting and encapsulation applications. It has good overall properties, can be cured rapidly at elevated temperatures, is odorless, and non-toxic. It contains no by-products, and is non-allergenic.

<b>Properties:</b>	<b>Part A</b>	<b>Part B</b>
<b>Color</b>	<b>Red,</b>	<b>Clear</b>
<b>Specific Gravity</b>	<b>2.25</b>	<b>0.98</b>
<b>Viscosity, cps</b>	<b>15000-25000</b>	<b>0.98</b>
<b>Mix Ratio (wt or Vol)</b>	<b>100:5</b>	
<b>Mix viscosity, cps</b>	<b>8000 – 10000</b>	
<b>Pot Life @ 72°F, hrs</b>	<b>45</b>	
<b>Shelf Life @ 72°F, months</b>	<b>6</b>	
<b>Hardness Durometer Shore A</b>	<b>70</b>	
<b>Tensile Strength, psi</b>	<b>475</b>	
<b>Tensile Elongation, %</b>	<b>45</b>	
<b>Tear Strength, Die B lb/in.</b>	<b>15</b>	
<b>Linear Shrinkage, %</b>	<b>0.1</b>	
<b>Coefficient of Expansion, °C</b>	<b>approximately 50 X 10<sup>-5</sup></b>	
<b>Service Temperature, Range, °C</b>	<b>-54 to 260</b>	
<b>Dielectric Strength, Volts/Mil</b>	<b>500</b>	
<b>Dielectric Constant, 60 Hz</b>	<b>5.0</b>	
<b>Dissipation Factor, 60 Hz</b>	<b>0.005</b>	
<b>Thermal Conductivity, BTU in/ft<sup>2</sup> hr°F</b>	<b>10</b>	

### **Cure Schedule:**

**24 hours @ room Temperature, 4 hours @150°F**

**Use Instructions: Pre mix Set-Sil 793 Thoroughly weigh out the required amount of Part A and add the required amount of Part B. Mix thoroughly scraping both the bottom and sides of the mixing container. Evacuate the air and then apply**

**See Back of Data Sheet for Warranty and Usage**

## **Warranty**

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