



*Silicone & Epoxy Technology*

53 C Otis Street  
West Babylon, NY 11704  
Tel. 631-920-5079 Fax. 631-920-0503  
E-mail SalesSET@optonline.net  
www.SET-mfg.com

## Set-Sil 380

**Set-Sil 380** is a two-component tin catalyzed system that cures at room temperature. A versatile material used for molding prototypes and production molds to cast Polyester, Polyurethane or Epoxy parts where flexing is not required. **Set-Sil 380** is not sensitive to inhibition, meaning it will cure at room temperature over virtually any surface. The speed of cure can be accelerated with special activators. Set-Sil 380 is especially useful in applications where outstanding heat resistance and chemical resistance is required.

### Properties-Uncured

Color, visual	Beige
Viscosity	30,000±5000cps
Mix Ratio (B/A) by weight	100/10
Mix Ratio (B/A) by volume	100/15.9
Mixed Viscosity (±5000cps)	20,000
Working Time (Hours)	1 to 2
Cure Time (Hours)	16 to 18
Shelf Life, months	6

### Physical Cured Properties

Durometer, Shore A (±4) One Day/7 Days	68/74
Tear Resistance (ASTM D624)	20 ppi
Tensile Strength (ASTM D412)	650 psi
Tensile Elongation (ASTM D412)	70%
Shrinkage	0.15%
Specific Gravity	1.56
Coverage, in <sup>3</sup> /lb	17.8
Coefficient of Thermal Expansion, cm/cm/°F	10 x 10 <sup>-4</sup>
Thermal Conductivity, cal/cm <sup>2</sup> /°C/sec/cm	7 x 10 <sup>-4</sup>
Service Temperature, °F	-60 to 425
Volume Resistivity, ohms/cm	1 x 10 <sup>13</sup>
Arc Resistance, seconds	125
Dielectric Strength, volts/mil	575
Dielectric Constant, 100 HZ	3 x 10 <sup>-2</sup>
Dissipation Factor, 1 KHz	3.7

**SEE BACK OF TECHNICAL DATA SHEET FOR WARRANTY.**

## **Warranty**

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### **Silicone & Epoxy Technology**

Phone: 631-920-5079      Fax: 631-920-0503

Place Orders To: SalesSET@optonline.net

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