

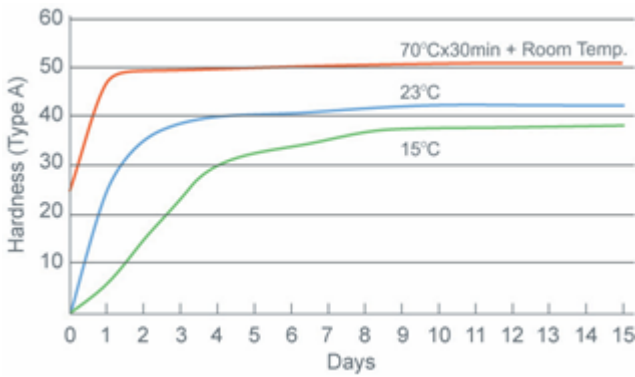


<b>UNCURED PROPERTY (23°C,50%RH)</b>		<b>Value</b>	
Appearance		Black (A)	Light Gray (B)
Viscosity	Pa·s	4.0 (A)	3.8 (B)
Mixing ratio by weight		1 : 1	
Viscosity (mixed)	Pa·s	4.2	
Workable Life	min	90	
Flowable Life	min	30	
Cure Condition (Heat Cure)		70°C x 30min	
Cure Condition (Room Temperature Cure)		23°C x 24H	
<b>CURED PROPERTY (70°C x 30min)</b>			
Appearance		Thermally conductive rubber, Black	
Density	g/cm <sup>3</sup>	1.6	
Hardness (Type A)		40	
Thermal Conductivity *1	W/(m·K)	0.7	
Tensile Strength	MPa	1.6	
Lap Shear Adhesion Strength (AI)	MPa	1.5	
Lap Shear Adhesion Strength (PC)	MPa	0.9	
Volume resistivity	MW·m	8.0×10 <sup>6</sup>	
Dielectric strength	kV/mm	25	
Dielectric constant (60Hz)		3.3	
Dissipation factor (60Hz)		0.016	
UL Flame Retardancy		V-0	
UL RTI Rating		150	

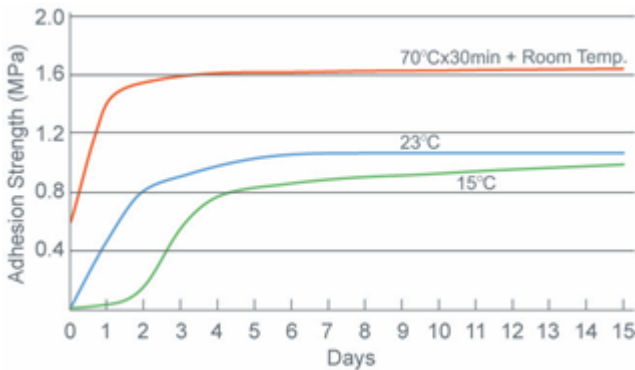
\*1: Hot wire method Typical properties are average data and are not to be used as or to develop specifications.

## Cure Profile

Hardness Build



### Adhesion Build



Note: Test data. Actual results may vary.

### General Considerations for Use

- Stir Parts A and B prior to mixing, as filler sedimentation may occur during storage. Stirring should be repeated for any material left standing for a period exceeding 3 weeks.
- Deaerate the mixture at 10~20mmHg for about 2 minutes to remove air entrapped during mixing. The time required to de-gas the mixture will vary depending upon the volume of material.
- Materials such as water, sulfur, nitrogen compounds, organic metallic salts, phosphorus compounds, etc. contained in the surface of the substrate can inhibit curing. Preliminary testing is recommended in order to determine the compatibility.

While the typical operating temperature for silicone materials ranges from -45°C to 200°C, the long-term maintenance of its initial properties is dependent upon design

related stress considerations, substrate materials, frequency of thermal cycles, and other factors.

### **Current Packaging**

- S I L C O O L TIA208R(A) silicone: 1.5kg can in cases of 10, 25kg pail
- S I L C O O L TIA208R(B) silicone: 1.5kg can in cases of 10, 25kg pail

### **Patent Status**

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

### **Product Safety, Handling and Storage**

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at [www.momentive.com](http://www.momentive.com) or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

### **Limitations**

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

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