

# Silopren® Gel 6209

Silicone Gel

Momentive Performance Materials Inc.

Message:

Silopren Gel 6209 is a kit matched easily pourable, solvent free, clear and colourless two-component silicone gel. After mixing the A and the B component at a mix ratio of 1:1 the material cures at room temperature by an addition reaction to a tacky silicone gel with excellent vibration dampening properties. The cure rate can be accelerated significantly by heat.

Key Features and Benefits

Convenient 1:1 mixing by weight

Low Viscosity, free of solvents

Room temperature cure

Mechanical shock/ vibration damping properties

Very soft gel, tacky to many substrates

Potential Applications

Silopren Gel 6209 is specially developed for electronic potting applications such as hybrid IC insulation, potting of power modules and potting of cable joints.

Silopren Gel 6209 can also be used for other applications that require a clear, tacky gel with good dampening properties.

General Information		
Features	Low Viscosity	
	Soft	
	Vibration Damping	
Uses	Electrical/Electronic Applications	
Appearance	Clear/Transparent	
Forms	Gel	
Processing Method	Potting	
Physical	Nominal Value	Unit
Density	0.980	g/cm <sup>3</sup>
Thermal	Nominal Value	Unit
Thermal Conductivity	0.17	W/m/K
Electrical	Nominal Value	Unit
Volume Resistivity	1.0E+15	ohms · cm
Electric Strength	20	kV/mm
Dielectric Constant (60 Hz)	2.80	
Dissipation Factor (60 Hz)	1.0E-3	
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 1.0	
Part B	Mix Ratio by Weight: 1.0	
Shelf Life (< 27°C)	> 17	wk
Additional Information	Nominal Value	Unit
Volumetric Expansion	0.00100	1/°C
Uncured Properties	Nominal Value	Unit

Color		
-- <sup>1</sup>	Clear/Transparent	
-- <sup>2</sup>	Clear/Transparent	
Viscosity		
23°C, Bohlin, Casson Model <sup>3</sup>	0.60	Pa·s
23°C, Bohlin, Casson Model <sup>4</sup>	0.90	Pa·s
Pot Life (23°C)	60	min
NOTE		
1.	Part B	
2.	Part A	
3.	Part B	
4.	Part A	

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#### Recommended distributors for this material

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