

Silopren® Gel 6209FC

Silicone Gel

Momentive Performance Materials Inc.

Message:

Silopren Gel 6209FC is a kit matched easily pourable, solvent free, clear and colourless two-component silicone gel. After mixing the A and the B part at a mix ratio of 1:1 the material cures very fast at room temperature by an addition reaction to a tacky silicone gel with excellent vibration dampening properties.

Key Features and Benefits

Convenient 1: 1 mixing by weight

Low viscosity, free of solvents

Fast room temperature cure

Soft, tacky gel, sticking to many substrates

Mechanical shock and vibration damping properties

Useful temperature range -50°C to 150 °C

Potential Applications

Silopren Gel 6209FC is specially developed for electronic potting applications such as hybrid IC insulation, potting of power modules and sensors when fast cure at room temperature is required.

General Information		
Features	Fast Cure	
	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 ³
Thermal	Nominal Value	Unit
CLTE - Flow	3.0E-4	cm/cm/°C
Thermal Conductivity	0.17	W/m/K
Electrical	Nominal Value	Unit
Volume Resistivity	2.0E+15	ohms · cm
Electric Strength	20	kV/mm
Dielectric Constant (60 Hz)	2.80	
Dissipation Factor (60 Hz)	1.0E-3	
Comparative Tracking Index	> 600	V
Optical	Nominal Value	
Refractive Index	1.410	
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 1.0	

Part B	Mix Ratio by Weight: 1.0	
Uncured Properties	Nominal Value	Unit
Color		
-- 1	Clear/Transparent	
-- 2	Clear/Transparent	
Density		
-- 3	0.980	g/cm ³
-- 4	0.980	g/cm ³
Viscosity		
-- 5	1.0	Pa·s
-- 6	1.0	Pa·s
-- 7	1.0	Pa·s
Pot Life (23°C)	30	min
NOTE		
1.	Part B	
2.	Part A	
3.	Part B	
4.	Part A	
5.	Mixed	
6.	Part B	
7.	Part A	

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