

# Silopren® Gel TP3636

Silicone Rubber, RTV-2

Momentive Performance Materials Inc.

## Message:

Silopren Gel TP 3636 is a solvent-free, low-viscosity roomtemperature vulcanizing two-component silicone rubber, which crosslinks into a gel-like product by an addition reaction caused by mixing components A and B. The resulting gel is transparent and dimensionally stable and adheres to virtually all substrates. With its good electrical insulation capacity Silopren Gel TP 3636 can be used, for example, to protect electronic components. The silicone gel protects sensitive components from moisture and through its good mechanical damping properties from shocks and shaking. The silicone gel retains these properties over a wide temperature range.

### Key Features and Benefits

solvent-free, low viscosity, room-temperature vulcanizing

transparent and dimensionally stable

good electrical insulation retains these properties over a wide temperature range.

General Information			
Features	Electrically Insulating		
	Good Adhesion		
	Good Dimensional Stability		
	Low Viscosity		
	Room Temperature Vulcanizing		
Uses	Electrical/Electronic Applications		
Appearance	Clear/Transparent		
Forms	Gel		
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	DIN 53481
Electric Strength	24	kV/mm	DIN 53481
Dielectric Constant (1 kHz)	2.70		DIN 53483
Dissipation Factor (1 kHz)	1.0E-3		DIN 53483
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)	26	wk	
Uncured Properties	Nominal Value	Unit	
Color			
-- 1	Clear/Transparent		
-- 2	Clear/Transparent		
Density			
-- 3	0.980	g/cm³	
-- 4	0.980	g/cm³	
Viscosity			
-- 5	1.0	Pa · s	

-- 6	1.0	Pa·s
Gel Time		
150°C	10	min
100°C	30	min
60°C	60	min
Pot Life (23°C)	5.0	min
NOTE		
1.	Part B	
2.	Part A	
3.	Part B	
4.	Part A	
5.	Part B	
6.	Part A	

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