

Silopren™ Gel TP3636

Silopren* Gel TP3636

Description

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.

Typical Physical Properties

Individual components		Component A	Component B
Appearance		colourless, clear	colourless, clear
Viscosity	mPa·s	1000	1000
Density	g/cm ³	0.98	0.98
Properties of the mixture of components A and B: Mixing ratio 1:1			
Appearance		colourless, clear	
Pot-life*	at RT	5 min	
Gel time	at 60 °C	60 min	

Gel time	at 100 ° C	30 min
Gel time	at 150 ° C	10 min
Gel point**	at 60 ° C	< 8 min.

*) Pot-life is the time for the initial viscosity to double.

***) osc. Rheometer 1 Hz

Properties following crosslinking after 1 hour at 100 °C

Penetration (20 °C)	DIN ISO 2137 (1/4 cone)	mm/10	57
Dielectric strength	DIN 53481	kV/mm	24
Volume resistivity	DIN 53481	Ω.cm	1.0· 10 ¹⁵
Dissipation factor tan δ	DIN 53483 (1 KHz)		0.001
Dielectric constant ε _r	DIN 53483 (1 KHz)		2.7

Patent Status

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Product Safety, Handling and Storage

Stored in dry and cool (27 °C max.) conditions in the sealed original containers, components A and B of **Silopren Gel TP 3636** have a shelf life of 6 months.

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Limitations

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For literature and technical assistance, visit our website at: www.momentive.com

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