

# NuSil MED12-6381

Silicone

NuSil Technology

Message:

NuSil Technology's restricted materials may be considered for use in short-term implant applications, 29 days or less, or for external applications. A silicone gel is an unreinforced, loosely crosslinked network of polymers. Due to the lack of reinforcing filler, gels tend to be low in viscosity in the uncured state, allowing flexibility for various processing techniques. Not only can the crosslink density of the silicone polymers be designed to yield a very firm or soft gel, but the work time and cure profile can also be modified. Accordingly, gels can be used in a variety of applications, including sheeting and encapsulating sensors or electronic devices. Additionally, NuSil's restricted tacky gels can be used as temporary adhesives.

Comments: FIRM RTV GEL

General Information		
Features	Biocompatible	
	Breathable	
	Low Viscosity	
	Room Temperature Vulcanizing	
Uses	Adhesives	
	Electrical/Electronic Applications	
	Medical/Healthcare Applications	
Agency Ratings	USP Class VI	
Forms	Gel	
Processing Method	Encapsulating	
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 97	
Part B	Mix Ratio by Weight: 2.5	
Part C	Mix Ratio by Weight: 0.50	
Post Cure Time (25°C)	24	hr
Additional Information	Nominal Value	Unit
Cure System	Condensation	
Uncured Properties	Nominal Value	Unit
Density	0.978	g/cm <sup>3</sup>
Viscosity	10	Pa · s
Curing Time (25°C)	0.50	hr
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore OO)	75	
Tensile Strength	0.483	MPa
Tensile Elongation at Break	130	%

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any

infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

