

NuSil MED3-6300

Silicone

NuSil Technology

Message:

NuSil Technology's unrestricted materials may be considered for long-term implant applications (greater than 29 days). 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.

Comments: HIGH PURITY, HIGH PENETRATION, SOFT RESPONSIVE GEL

General Information		
Features	Biocompatible	
	Breathable	
	High Purity	
	Low Viscosity	
	Soft	
Uses	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: 3.0	
Part B	Mix Ratio by Weight: 1.0	
Additional Information	Nominal Value	Unit
Cure System	Platinum	
Penetration Depth ¹	1.50	cm
Uncured Properties	Nominal Value	Unit
Density	0.978	g/cm ³
Viscosity	1.0	Pa · s
Curing Time (140°C)	5.0	hr
NOTE		

1.
- Shaft weight/foot diameter/time :
12g/25.4mm/15s

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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

