

NuSil MED-6342

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: LOW PENETRATION, HIGH TACK GEL

General Information		
Features	Biocompatible	
	Breathable	
	Low Viscosity	
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: 1.0	
Part B	Mix Ratio by Weight: 1.0	
Additional Information	Nominal Value	Unit
Cure System	Platinum	
Penetration Depth ¹	1.25	mm
Uncured Properties	Nominal Value	Unit
Viscosity	8.0	Pa · s
Curing Time (135°C)	0.75	hr
Pot Life (25°C)	600	min
NOTE		

1.

Shaft Weight/Foot Diameter/Time :
19.5g/6.35mm/5s

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