

NuSil MED1-4213

Silicone

NuSil Technology

Message:

NuSil Technology's unrestricted materials may be considered for long-term implant applications (greater than 29 days).
Silicone adhesives are elastomers or pressure sensitive adhesive systems that are designed to bond silicone surfaces to each other and to other substrate surfaces such as metals and plastics. There are one-part and two-part adhesives, ranging in consistency from flowable to non-flowable (non-slump). In general, silicone adhesives adhere well to substrates such as glass, aluminum, titanium, other silicones, and some ceramics. While various types of materials can be used as adhesives, silicones are consistently chosen for their many inherent properties and overall versatility.
Comments: RTV, FAST CURE, HIGH EXTRUSION RATE

General Information		
Features	Biocompatible	
	Fast Cure	
	Good Chemical Resistance	
	Moisture Resistant	
	Room Temperature Vulcanizing	
Uses	Adhesives	
	Medical/Healthcare Applications	
Agency Ratings	USP Class VI	
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	
Uncured Properties	Nominal Value	Unit
Density	1.12	g/cm ³
Curing Time (23°C)	24	hr
Pot Life (25°C)	15	min
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore A)	20	
Tensile Strength	6.89	MPa
Tensile Elongation at Break	800	%
Tear Strength	22.8	kN/m

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