

NuSil MED-1011

Silicone

NuSil Technology

Message:

Restricted Healthcare Silicones Definition: NuSil Technology's restricted materials may be considered for use in short-term implant applications, 29 days or less, or for external applications.

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: FLOWABLE

General Information		
Features	Biocompatible	
	Good Chemical Resistance	
	Good Flow	
	Moisture Resistant	
Uses	Adhesives	
	Medical/Healthcare Applications	
	Sealants	
Agency Ratings	USP Class VI	
Mechanical	Nominal Value	Unit
Tensile Strength (200% Strain)	0.758	MPa
Additional Information	Nominal Value	Unit
Cure System	Acetoxxy	
Extrusion Rate	100	g/min
Uncured Properties	Nominal Value	Unit
Density	1.12	g/cm ³
Curing Time (23°C)	72	hr
Pot Life (25°C)	< 10	min
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore A)	25	
Tensile Strength	9.65	MPa
Tensile Elongation at Break	750	%
Tear Strength	17.5	kN/m

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