

NuSil MED-1031

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: NO ACIDIC LEAVING GROUP

General Information		
Features	Biocompatible	
	Good Chemical Resistance	
	Moisture Resistant	
Uses	Adhesives	
	Medical/Healthcare Applications	
	Sealants	
Agency Ratings		USP Class VI
Mechanical	Nominal Value	Unit
Tensile Strength (100% Strain)	1.03	MPa
Additional Information	Nominal Value	Unit
Cure System	Oxime	
Extrusion Rate	70.0	g/min
Uncured Properties	Nominal Value	Unit
Density	1.10	g/cm ³
Curing Time (23°C)	1.7E+2	hr
Pot Life (25°C)	< 25	min
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore A)	35	
Tensile Strength	5.86	MPa
Tensile Elongation at Break	330	%
Tear Strength	7.01	kN/m

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