

NuSil MED16-6606

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. "Dispersion" is a term used to describe a silicone elastomer system that is suspended or dispersed in a solvent carrier. It is a complex solution that contains silicone polymers of various molecular weights and reinforcing fillers. The substituent groups comprising the polymer back bone structure may consist of the following: Polydimethylsiloxane, Dimethyl Diphenyl copolymer, and Fluoro homo polymer or copolymer. Silicone dispersions typically have low viscosities, which is beneficial for applications wherein a thin film coating is needed, and they can easily be used in dipping and spraying processes. NuSil uses a variety of solvents to disperse silicones, such as xylene, tert butyl acetate, heptane, hexane, acetone and naphtha. Comments: ONE PART ADHESIVE, IN HEPTANE

General Information	
Filler / Reinforcement	Filler
Features	Low Viscosity
Uses	Adhesives
	Coating Applications
	Medical/Healthcare Applications
Agency Ratings	USP Class VI
Forms	Dispersion
Processing Method	Dip Coating
	Spraying

Mechanical	Nominal Value	Unit
Tensile Strength (100% Strain)	0.345	MPa
Additional Information	Nominal Value	Unit
Cure System	Acetoxy	
Uncured Properties	Nominal Value	Unit
Density	1.11	g/cm ³
Viscosity	0.095	Pa · s
Curing Time (23°C)	72	hr
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore A)	20	
Tensile Strength	8.62	MPa
Tensile Elongation at Break	900	%
Tear Strength	20.1	kN/m

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