

NuSil MED-4159

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: LOW CROSSLINK DENSITY

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

Additional Information	Nominal Value	Unit
Cure System	Amine	
Uncured Properties	Nominal Value	Unit
Density	0.868	g/cm ³
Viscosity	0.20	Pa · s
Curing Time (23°C)	1.7E+2	hr

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