

NuSil MED6-6606

Silicone

NuSil Technology

Message:

NuSil Technology's unrestricted materials may be considered for long-term implant applications (greater than 29 days). "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	Acetoxxy	

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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