NuSil MED10-6640

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: ULTRA HIGH TEAR, IN XYLENE

Filler / Reinforcement Filler Features Good Tear Strength Low Viscosity Uses Coating Applications Medical/Healthcare Applications Medical/Healthcare Applications Dispersion Processing Method Dip Coating Spraying Mechanical Nominal Value Unit Tensile Strength (100% Strain) 1.07 MPa Thermoset Components Unit Mix Ratio by Weight: 1.0 Part A Mix Ratio by Weight: 1.0 Part B Mix Ratio by Weight: 1.0 Additional Information Nominal Value Unit Cure System Platinum Uncured Properties Nominal Value Unit Density 1.12 g/cm³ Viscosity 3.5 Curing Time ¹ 3.5 Curing Time ¹ 3.5 Curing Time ¹ 3.5 Nominal Value Unit Pot Life (25°C) 1400 min Cured Properties Nominal Value Unit Pareila Strength (100% Shore) 1400 min Cured Properties Nominal Value Unit Pareila Strength (100% Mpa	General Information			
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Shore Hardness (Shore A) 40	Pot Life (25°C)	1400	min	
	Cured Properties	Nominal Value	Unit	
Tansila Strangth 117 MPa	Shore Hardness (Shore A)	40		
renaire actingut	Tensile Strength	11.7	MPa	
Tensile Elongation at Break 1000 %	Tensile Elongation at Break	1000	%	

Tear Strength	52.5	kN/m
NOTE		
	30m/25°C + 45m/75°C	<u> </u>

135m/150°C

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