

NuSil MED-6385

Silicone

NuSil Technology

Message:

NuSil Technology's unrestricted materials may be considered for long-term implant applications (greater than 29 days). Low consistency elastomers (LCEs) are useful alternatives to liquid silicone rubber (LSR) and high consistency rubber (HCR) for end users who need a low viscosity elastomer which provides other unique properties. LCEs lend themselves to applications that require a pourable, self-leveling silicone. Applications include: encapsulating a device, backfilling a void, potting an electronic component that cannot withstand exposure to high heat, or prototyping a mold. Comments: FAST CURE, OPAQUE

General Information		
Features	Fast Cure	
	Good Processability	
	Low Viscosity	
Uses	Electrical/Electronic Applications	
	Medical/Healthcare Applications	
Agency Ratings	USP Class VI	
Appearance	Opaque	
Processing Method	Encapsulating	
	Potting	
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 100	
Part B	Mix Ratio by Weight: 0.50	
Additional Information	Nominal Value	Unit
Cure System	Tin-Alkoxy	
Uncured Properties	Nominal Value	Unit
Density	1.13	g/cm ³
Viscosity	45	Pa · s
Curing Time (23°C)	24	hr
Pot Life (25°C)	7.0	min
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore A)	45	
Tensile Strength	3.45	MPa
Tensile Elongation at Break	180	%

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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