

# NuSil MED-4044

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. 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: FLOWABLE, MEDIUM DUROMETER

General Information		
Features	Good Flow	
	Good Processability	
	Low Viscosity	
	Medium Hardness	
Uses	Electrical/Electronic Applications	
	Medical/Healthcare Applications	
Agency Ratings	USP Class VI	
Appearance	Clear/Transparent	
Processing Method	Encapsulating	
	Potting	
Mechanical	Nominal Value	Unit
Tensile Strength (200% Strain)	3.31	MPa
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 10	
Part B	Mix Ratio by Weight: 1.0	
Post Cure Time (150°C)	1.0	hr
Additional Information	Nominal Value	Unit
Cure System	Platinum	
Uncured Properties	Nominal Value	Unit
Density	1.09	g/cm <sup>3</sup>
Viscosity		
-- 1	0.27	Pa · s
-- 2	120	Pa · s
Curing Time (177°C)	0.083	hr
Pot Life (25°C)	240	min
Cured Properties	Nominal Value	Unit

Shore Hardness (Shore A)	40	
Tensile Strength	5.86	MPa
Tensile Elongation at Break	320	%
Tear Strength	26.3	kN/m
NOTE		
1.	Part B	
2.	Part A	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material


## 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



WECHAT