

# NuSil MED-4011

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

General Information		
Features	Good Flow	
	Good Processability	
	Low Viscosity	
Uses	Electrical/Electronic Applications	
	Medical/Healthcare Applications	
Agency Ratings	USP Class VI	
Appearance	Clear/Transparent	
Processing Method	Encapsulating	
	Potting	
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		
-- <sup>1</sup>	1.6	Pa · s
-- <sup>2</sup>	110	Pa · s
Curing Time (150°C)	0.050	hr
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore A)	25	
Tensile Strength	4.65	MPa
Tensile Elongation at Break	530	%
NOTE		

1.	Part B
2.	Part A

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