

NuSil MED-6219

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: LOW VISCOSITY, HIGH DUROMETER

General Information		
Features	Good Processability	
	High Hardness	
	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: 1.0	
Part B	Mix Ratio by Weight: 1.0	
Additional Information	Nominal Value	Unit
Cure System	Platinum	
Uncured Properties	Nominal Value	Unit
Density	1.07	g/cm ³
Viscosity		
-- 1	20	Pa · s
-- 2	30	Pa · s
Curing Time (50°C)	2.0	hr
Pot Life (25°C)	120	min
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore A)	78	
Tensile Strength	8.27	MPa
Tensile Elongation at Break	65	%
Tear Strength	6.13	kN/m

NOTE

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| 1. | Part B |
| 2. | Part A |

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