

# NuSil EPM-2411-2

Silicone

NuSil Technology

## Message:

As a low stress alternative for electronic packaging, NuSil Technology's silicones allow the designer to choose from a unique line of silicones for various levels of packaging. We have an extensive line of encapsulants, adhesives, and greases to choose from. These include thermally and electrically conductive silicones for Thermal Interface Materials (TIM) or for EMI and RFI shielding applications.

Benefits of Silicone for Electronics:

Wide Operating Temperature Range of -115 °C to 250 °C

Low moisture absorption, < 0.4% Typical

Corrosion Resistance

High Dielectric Strength > 500 V/mil (0.001 inch) or 20 kV/mm

Fillers can be added to provide thermal and electrical conductive properties

Low Modulus (Typically less than 5.5 MPa/800 psi)

Stable chemical and mechanical properties when exposed to high temperatures

Low Shrinkage

Available as gels, elastomers, film adhesives sheeting, and greases

General Purpose: Glob Tops

Comments: Glob Top encapsulant. Shear Thinning Index 2.5

General Information			
Features	Good Corrosion Resistance		
	Good Thermal Stability		
	Low Moisture Absorption		
	Low Shrinkage		
Uses	Electrical/Electronic Applications		
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	16	kV/mm	ASTM D149
Additional Information	Nominal Value	Unit	
Cure System	Platinum		
Operating Temperature	-65 to 250	°C	
Uncured Properties	Nominal Value	Unit	
Color	Black		
Density	1.16	g/cm <sup>3</sup>	
Viscosity	300	Pa · s	
Curing Time (200°C)	0.25	hr	
Pot Life	> 480	min	
Cured Properties	Nominal Value	Unit	
Shore Hardness (Shore A)	17		
Tensile Strength	5.17	MPa	
Tensile Elongation at Break	700	%	
Tear Strength	9.63	kN/m	

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