

Epoxies, Ect. 20-1615

Silicone
Epoxies, Etc.

Message:

20-1615 is a two component, room temperature curing silicone rubber compound. This silicone system is clear, odorless, and low in viscosity. 20-1615 is an excellent choice for potting electronic assemblies that require shock and vibration resistance. It also protects assemblies from moisture, ozone, chemicals and other environmental hazards.

- Features:
- Low Viscosity
 - Contains no solvents
 - Operating temperature -65°C to 205°C
 - No exotherm during cure
 - hydrolytic stability
 - Easy 10:1 ratio

General Information		
Features	High Clarity	
	Hydrolytically Stable	
	Low to No Odor	
	Low Viscosity	
	Shock Resistant	
Uses	Electrical Parts	
	Electrical/Electronic Applications	
Appearance	Clear/Transparent	
Processing Method	Encapsulating	
	Potting	
Physical	Nominal Value	Unit
Molding Shrinkage - Flow	0.20	%
Thermal	Nominal Value	Unit
CLTE - Flow	1.8E-4	cm/cm/°C
Thermal Conductivity	0.017	W/m/K
Optical	Nominal Value	
Refractive Index	1.400	
Additional Information	Nominal Value	Unit
Operating Temperature	-65.0 to 205	°C
Uncured Properties	Nominal Value	Unit
Color	Clear/Transparent	
Mix Ratio by Weight (PBW)		
Part A	100	
Part B	10	

Density (25°C)	1.03	g/cm ³
Viscosity ¹ (25°C)	6.0	Pa·s
Curing Time		
--	0.17 to 0.25	hr
125°C	0.75	hr
100°C	1.0	hr
65°C	4.0	hr
25°C	24 to 48	hr
Pot Life (25°C)	20	min
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore A)	40	
Tensile Strength	6.55	MPa
Tensile Elongation at Break	120	%
Electric Strength	20	kV/mm
Relative Permittivity (1 kHz)	2.70	
Volume Resistivity	1.2E+15	ohms·cm
Dissipation Factor (1 kHz)	4.0E-4	
NOTE		

1. Mixed

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