Epoxies, Ect. 20-1634

Silicone

Epoxies, Etc.

Message:

20-1634 is a low density, two component silicone elastomer. The 20-1634 is less than half the weight of most commercially available potting and encapsulating compounds.
20-1634 utilizes an advanced micro balloon technology filler. This system is ideal for applications that require low weight, flexibility, high heat resistance, and excellent electrical insulation properties.
20-1634 is formulated without solvents or other toxic materials. It is therefore not regulated or considered hazardous for transportation.
Features:
Low Density
Flexible
Deep section curing (beyond 1-2 inches)
High operating temperatures
Solvent free
Benefits:
Does not add much weight to products
Low stress on components and vibration resistant
No need for multiple pours due to low exotherm
Good protection in extreme environmental applications
No by-products released during cure and safe to handle

General Information	
Features	Electrically Insulating Good Flexibility Low Density
Uses	Electrical Parts Electrical/Electronic Applications Electronic Insulation
Appearance	White
Processing Method	Encapsulating Potting

Thermal	Nominal Value	Unit
CLTE - Flow	2.0E-4	cm/cm/°C
Thermal Conductivity	0.16	W/m/K
Thermoset	**Nominal Value**	**Unit**
Thermoset Mix Viscosity (25°C)	30000	cP
Additional Information	**Nominal Value**	**Unit**
Operating Temperature	-65.0 to 235	°C
Uncured Properties	**Nominal Value**	**Unit**
Color		
-- [1]	Clear/Transparent	

-- [2]	White	
Mix Ratio by Weight (PBW)		
Part A	100	
Part B	10	
Density		
25°C [3]	0.798	g/cm³
25°C [4]	0.818	g/cm³
25°C [5]	0.968	g/cm³
Viscosity		
25°C [6]	0.10	Pa·s
25°C [7]	45	Pa·s
Curing Time		
150°C	0.33	hr
100°C	1.0	hr
65°C	2.0 to 4.0	hr
25°C	24 to 48	hr
Pot Life [8] (25°C)	60	min
Shelf Life	6	month

Cured Properties	Nominal Value	Unit
Shore Hardness (Shore A)	34	
Tensile Strength	0.862	MPa
Tensile Elongation at Break	230	%
Tear Strength	2.89	kN/m
Electric Strength	18	kV/mm
Relative Permittivity (100 Hz)	3.10	
Volume Resistivity (25°C)	1.0E+14	ohms·cm

NOTE	
1.	Part B
2.	Part A
3.	Part A
4.	Mixed
5.	Part B
6.	Part B
7.	Part A
8.	100 grams

Recommended distributors for this material

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