

Epoxies, Ect. 20-1625

Silicone
Epoxies, Etc.

Message:

20-1625 is a low viscosity and easy to use 1:1 ratio silicone system. It is designed for applications that require clarity and protection from shock and vibration. 20-1625 provides good heat resistance and is flame retardant.

20-1625 is formulated without solvents or other toxic materials. It is therefore not regulated or considered hazardous for transportation.

Features:

- Easy 1:1 mix ratio
- Soft
- Excellent electrical properties
- Solvent Free
- Optically clear

Benefits:

- Simple to use
- Low stress on components and vibration resistant
- Extends life of electronic assemblies
- No by-products released during cure and safe to handle
- Easy component identification

| General Information | | |
|---------------------------|------------------------------------|----------|
| Features | Flame Retardant | |
| | High Clarity | |
| | Low Viscosity | |
| | Soft | |
| Uses | Electrical Parts | |
| | Electrical/Electronic Applications | |
| Appearance | Clear/Transparent | |
| Processing Method | Encapsulating | |
| | Potting | |
| Thermal | Nominal Value | Unit |
| CLTE - Flow | 2.7E-4 | cm/cm/°C |
| Thermal Conductivity | 0.16 | W/m/K |
| Additional Information | Nominal Value | Unit |
| Operating Temperature | -55.0 to 200 | °C |
| Uncured Properties | Nominal Value | Unit |
| Color | | |
| -- ¹ | Clear/Transparent | |
| -- ² | Clear/Transparent | |
| Mix Ratio by Weight (PBW) | | |
| Part A | 1.0 | |
| Part B | 1.0 | |

| | | |
|-------------------------------|---------------|-------------------|
| Mix Ratio by Volume (PBV) | | |
| Part A | 1.0 | |
| Part B | 1.0 | |
| Density | | |
| 25°C ³ | 0.978 | g/cm ³ |
| 25°C ⁴ | 0.978 | g/cm ³ |
| Viscosity | | |
| 25°C ⁵ | 4.0 | Pa·s |
| 25°C ⁶ | 4.5 | Pa·s |
| Curing Time | | |
| 60°C | 1.0 | hr |
| 25°C | 3.0 to 4.0 | hr |
| Pot Life (25°C) | 20 | min |
| Shelf Life | 6 | month |
| Cured Properties | Nominal Value | Unit |
| Shore Hardness (Shore A) | 25 | |
| Electric Strength | 20 | kV/mm |
| Relative Permittivity (60 Hz) | 2.70 | |
| Volume Resistivity (25°C) | 1.0E+15 | ohms·cm |
| NOTE | | |
| 1. | Part B | |
| 2. | Part A | |
| 3. | Part B | |
| 4. | Part A | |
| 5. | Part B | |
| 6. | Part A | |

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