

20-2175

POLYURETHANE POTTING COMPOUND

DESCRIPTION:

20-2175 is a two-component and dielectric potting and encapsulating compound. This product has unique flow and rheology characteristics that allows filling of cavities with small holes where traditional materials would leak.

20-2175 was formulated for use in potting cable end assemblies, watertight electrical connectors, cables, printed circuitry, and other electrical components. It provides a quick gel to prevent too much flow.

FEATURES:

- Outstanding environmental performance
- Controlled flow
- Easy Mixing
- Available in Triggerbond® Cartridges

TYPICAL SPECIFICATIONS:

| | |
|-----------------------------------|-----------------------|
| Color | Black |
| Viscosity, 25°C, cps | |
| Isocyanate | 3,000 |
| Polyol | 500 |
| Mixed | Thixotropic |
| Specific gravity @ 25°C | |
| Isocyanate | 1.15 |
| Polyol | 1.04 |
| Working Life @ 25°C | 6 minutes |
| Gel Time @ 25°C | 15 minutes |
| Cure Time 25°C | 72 Hours |
| Hardness, Shore D | 75 |
| Thermal conductivity, W/m.K | 0.25 |
| Dielectric strength, volts/mil | |
| 1/8" | >400 |
| 1/16" | 610 |
| Insulation Resistance, ohms, 25°C | 2.0x10 ⁻¹¹ |

INSTRUCTIONS FOR USE:

The two components should be mixed thoroughly at the appropriate ratio in plastic, metal or glass containers. Any material that could introduce water into the system should be avoided.

The material is difficult to degas and is better suited for automatic mix equipment or for use in the TriggerBond® side by side cartridges.

Mix Ratio:

| | |
|------------------------------|---------|
| Parts by weight (Polyol:Iso) | 90:100 |
| Parts by volume (Polyol:Iso) | 100:100 |

STORAGE, HANDLING & SAFETY:

Store both components at 75-85°F in original containers. If the containers are opened and the contents partially used, the material left in the container should be blanketed with dry nitrogen before sealing. The products are moisture sensitive. In the original unopened quart, gallon, 5 gallon pail and 55 gallon drum containers, this product has a twelve month shelf life. When packaged in the convenient Triggerbond® Dual Barrel cartridges, the shelf life is six months. Carefully read Material Safety Data Sheets before using.

IMPORTANT:

The information in this brochure is based on data obtained by our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. This information is furnished upon the condition that the person receiving it shall make his own tests to determine the suitability thereof for his particular purpose.

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