

**TECHNICAL DATA**

**BC-28**

**Epoxy Balancing Putty**

**DESCRIPTION**

BC-28 is a two-part epoxy compound with a smooth, fibrous, putty like consistency, which prevents the compound from migrating during application. Once mixed, BC-28 cures to a solid mass at room temperature and is resistant to moisture, solvents and chemicals.

**USES**

BC-28 is specifically used for weight addition balancing of electric motor armatures, rotors and fans and for sealing in general engineering/electronic applications.

**APPLICATION**

1. Mix BC-28 Part A Blue, with BC-28 Part B Yellow in the ratio of 1 : 1 by either weight or volume.
2. Once mixed, the compound will form a consistent green colour.
3. Press the mixed compound onto the component to be balanced or sealed, either by hand or with a spatula.

Mixed material can be frozen to slowly cure over an 8 hour period.

**TYPICAL PROPERTIES**

|  | <b>Part A</b> | <b>Part B</b> | <b>Mixed</b> |
|--|---------------|---------------|--------------|
| Specific gravity                               | 2.5           | 2.5           | 2.5          |
| Colour   | Blue          | Yellow        | Green        |
| Working life                                   |               |               | 1 hour       |
| Cure schedule @ 25°C                           |               |               | 24 hours     |
| Temperature classification, °C                 |               |               | 205          |
| Hardness, Shore D                              |               |               | 85           |
| Lap shear to CRS, PSI                          |               |               | 1000         |
| Tensile strength, PSI                          |               |               | 1700         |
| Compressions, PSI                              |               |               | 6000         |
| Weight loss on cure, %                         |               |               | < 0.02       |
| Dielectric strength per mm                     |               |               | 18kV         |
| Spin test on motor armature @ 190°C, 8,000 rpm |               |               | Pass*        |
| RoHS 2002/95/EC Compliant                      | Yes           | Yes           | Yes          |
| Shelf life @ 25°C in unopened containers       | 12 months     | 12 months     |              |

\* Pass denotes that there was no separation of the BC-28 from the windings

**PACKING & SUPPLY**

- 1Kg Kits from stock (500g Part A & 500g Part B)
- 7Kg Kits to order (3.5Kg Part A & 3.5Kg Part B)
- 60Kg Kits to order (30Kg Part A & 30Kg Part B)

**HEALTH & SAFETY**

Before use, please refer to Material Safety Data Sheets (MSDS).

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