

TECHNICAL DATA

BC-28 EPOXY PUTTY - Balancing & Sealing Compound

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

	Part A	Part B	Mixed
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 & 3Kg Part B)

HEALTH & SAFETY

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