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## BC-10 Heat Cured Epoxy Putty Armature Balancing Compound

### DESCRIPTION:

**BC-10** epoxy putty was developed to support manual applications for weight addition balancing of DC & AC motors. The ease of extrusion and fast cure provides for high output and precision balances. Since **BC-10** balancing compound does not require mixing, application time and product waste are both reduced. The high specific gravity of **BC-10** optimizes smaller motor design, along with greater accuracy of balance. This product may contain fillers that may settle over time. Product may need to be stirred before using. Customer must determine suitability of product before using.

### PERFORMANCE PROPERTIES

Volume Resistivity:	>9x10 <sup>11</sup> ohm-cm
Slump Resistance: [ASTM D 2202 @ 150°C]:	Shows no tendency to slump at cure temperatures.
Typical Cure Time at 170°C:	3 minutes
Typical Cure Time at 120°C:	7 minutes
Cured Shore D Hardness:	90 typ.
Weight Loss After 4 Hours at 190°C by TGA:	-0.16%
Steel to Steel Lap Shear After 20 Minute Cure AT 300°F.:	1000 psi
Glass Transition Temperature [T <sub>g</sub> ], by DSC:	110°C
Tensile Strength: [ASTM D 638]	1000 psi

### TYPICAL PROPERTIES:

Specific Gravity:	2.00
Appearance:	White putty-like consistency
Shelf Life:	6 months at <u>constant</u> ambient temperature.

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