



Epoxy Casting Resins



BC7009-1

BC 7009-1 is an iron filled, low-cost mass casting system. Thicknesses up to two inches in non-conductive molds, and four inches in conductive molds can be achieved without foaming or yielding excessive shrinkage. Ideal for stretch forms, patterns, dies, molds, duplications, prototypes, etc.

- Features:
- Mix ratio: 100:10 by wt.
 - Mix ratio: 100:26 by vol.
 - Pot life: 90 minutes
 - Viscosity (Mixed)@ 75F: 20,000
 - Cure schedule: Overnight
 - Color: Black

BC7009-2

BC 7009-2 is an iron oxide filled, low-cost mass casting system. Recommended for use in casting a minimum of two inches and a maximum of six inches in non-conductive molds. Thicknesses to nine inches in metal or conductive-type molds can successfully be achieved as well. Ideal for stretch forms, patterns, dies, molds, duplications, prototypes, etc..

- Features:
- Mix ratio: 100:8 by wt.
 - Mix ratio: 100:22 by vol.
 - Pot life: 4 hours
 - Viscosity (Mixed)@ 77F: 35,000
 - Cure schedule: 24 hours
 - Color: Black

BC7062/BC7062-1

BC 7062-1 are aluminum filled, low viscosity epoxy mass casting resins. These room temperature cure systems allow the user choice thicknesses of 1/8 inch to a maximum of 3/4 inches without foaming or yielding excessive shrinkage. Casting thicknesses may be increased by incorporating aluminum needles, puffs or granules. BC 7062-1, when properly cured, provides nearly perfect reproduction, resulting in a dimensionally stable, hard, tough surface. For use in constructing duplicate models, prototypes, patterns, facing dies, etc.

- Features:
- Mix ratio: 100:8 by wt.
 - Mix ratio: 100:15 by vol.
 - Pot life: 50 minutes
 - Viscosity (Mixed)@ 75F: 5,400cps
 - Cure schedule: See Tech Datasheet
 - Casting thickness: 1/8" - 3/4"
 - Color: Aluminum
 - Demold time (hours): 12-18 hours

BC7062/BC7062-2

BC 7062-2 System is very similar to the BC 7062-1 both are aluminum filled, low viscosity epoxy mass casting resins. These room temperature cure systems allow the user choice thicknesses of 1/8 inch to a maximum of 2 inches without foaming or yielding excessive shrinkage. Casting thicknesses may be increased by incorporating aluminum needles, puffs or granules. BC 7062-2, when properly cured, provides nearly perfect reproduction, resulting in a dimensionally stable, hard, tough surface. For use in constructing duplicate models, prototypes, patterns, facing dies, etc.

- Features:
- Mix ratio: 100:11 by wt.
 - Mix ratio: 100:21 by vol.
 - Pot life: 2 hours
 - Viscosity (Mixed)@ 75F: 7,000cps
 - Cure schedule: See Tech Datasheet
 - Casting thickness: 3/4" - 2"
 - Color: Aluminum
 - Demold time (hours): 24-30 hours

BC7062/BC7062-3

BC 7062-3 System is very similar to the BC 7062-1 & BC 7062-2, all are aluminum filled, low viscosity epoxy mass casting resins. These room temperature cure systems allow the user thicknesses maximum of 6 inches without foaming or yielding excessive shrinkage. Casting thicknesses may be increased by incorporating aluminum needles, puffs or granules. BC 7062-3, when properly cured, provides nearly perfect reproduction, resulting in a dimensionally stable, hard, tough surface. For use in constructing duplicate models, prototypes, patterns, facing dies, etc.

- Features:
- Mix ratio: 100:16 by wt.
 - Mix ratio: 100:34 by vol.
 - Pot life: 4 hours
 - Viscosity (Mixed)@ 75F: 3,800cps
 - Cure schedule: See Tech Datasheet
 - Casting thickness: 2" - 6"
 - Color: Aluminum
 - Demold time (hours): 48+ hours

BC7136

BC7136 is a gray, low toxicity, aluminum filled, epoxy casting resin. This heat resistant system may be used at room temperature without post-curing. May be cast to a thickness of 3/4 inch in non-conductive molds. For use above 150°F a post-cure is required. This product was engineered to replace VCHD and MDA systems while retaining excellent heat resistance and low viscosity.

- BC7136 is designed for consistent use up to 300°F. Useful for:
- *Heat resistant tooling
 - *Constructing vacuum form tools
 - *Injection and compression molds
 - *RTM and RIM molds
 - *Matched dies

- Features:
- Mix ratio: 100:7 by wt.
 - Mix ratio: 100:12 by vol.
 - Pot life: 85 minutes
 - Viscosity (Mixed)@ 75F: 15,000
 - Cure schedule: See Tech Datasheet
 - Color: Gray

BC7136/BC7136-2H

BC7136-2 is an aluminum filled thick section casting system with heat resistance to 300°F. May be cast to a thickness of 2 inches in non-conductive molds, 3 inches in conductive molds and thicker sections with the addition of bulk fill. For service temperature above 150°F a post-cure is required. Does not contain VCHD or MDA. See cure schedule.

- BC7136 is designed for consistent use up to 300°F. Useful for:
- *Heat resistant tooling
 - *Constructing vacuum form tools
 - *Injection and compression molds
 - *RTM and RIM molds
 - *Matched dies

- Features:
- Mix ratio: 100:9 by wt.
 - Mix ratio: 100:16 by vol.
 - Pot life: 3 hours
 - Viscosity (Mixed)@ 75F: 13,500
 - Cure schedule: See Tech Datasheet
 - Color: Gray

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