

BC8086

BC 8086 is a rapid setting, low viscosity, polyurethane casting system. It exhibits a working life of 45 seconds and obtains a demoldable hardness at 7 - 10 minutes.

Some of the outstanding features include:

- *Non-sensitive to moisture after cure
- *Paintable (non oil base)
- *Will readily bond to itself
- *Moderate heat resistance
- *Excellent machinability and surface scribing
- *No settling components, no premixing required
- *Different curing schedule give different heat distortion temps

Features:

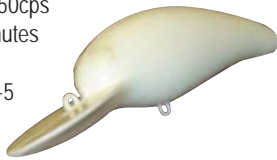
Mix ratio: 100:88 by wt.
 Mix ratio: 100:100 by vol.
 Pot life: 45 seconds
 Viscosity (Mixed) 200-400cps
 Demold time: 7-10 minutes
 Hardness (shore): 79D
 Color: Tan

BC8163

BC 8163 is a very low viscosity, rapid setting, rigid urethane compound. This system will cure quickly to a hard, tough, impact resistant casting. BC 8163 is non-sensitive to moisture after cure and will readily bond to itself if stage pours are required. The one-to-one volume mix ratio makes the system readily adaptable for machine mixing and dispensing. BC 8163 is recommended in applications where a "thermoplastic feel" is desired.

Features:

Mix ratio: 100:96 by wt.
 Mix ratio: 100:100 by vol.
 Pot life: 2-2.5 minutes
 Viscosity (Mixed) 100-150cps
 Demold time: 20-60 minutes
 Final Cure: 7days
 Hardness (shore):78D +5
 Color: White



BC8165

BC 8165 is a low viscosity, rapid setting, rigid urethane compound. Similar to BC 8163, however exhibits an 8 to 10 minute working time. This system will cure quickly to a hard, tough, impact resistant casting. BC 8165 is non-sensitive to moisture after cure and will readily bond to itself if stage pours are required. BC 8165 is recommended for thin wall model and prototype applications where a "thermoplastic feel" is desired. The heat resistance for BC8165 is 135°F, a heat resistance of 150F can be achieved by post cure at 150°F for about 2 hours.

Features:

Mix ratio: 100:80 by wt.
 Mix ratio: 100:87 by vol.
 Pot life: 8-10 minutes
 Viscosity (Mixed) 230cps
 Demold time: 1-2 minutes*
 Final Cure: 7days
 Hardness (shore): 83D +2
 Color: White
 *dependant on thickness of casting

bee PROTOTYPING Resins



BC8400

BC8400 is an unfilled, low viscosity, quick setting two component urethane system. An easy to use 1 to 1 mix ratio (Part A/Part B), BC8400 offers the user a 3 minute working time with parts demoldable in as little as 30 minutes. When properly cured, BC 8400 will exhibit high impact strength and yield thermoplastic-like parts.

Some outstanding features include the following:

- *Mercury free
- *High impact strength
- *Moderate heat resistance
- *No objectionable odor
- *1 to 1 mix ratio
- *Excellent finishing properties
- *Turns white upon cure
- *Thermoplastic appearance
- *Longer mold life
- *More parts per day

Features:

Mix ratio: 100:100 by wt.
 Mix ratio: 100:100 by vol.
 Pot life: 3 minutes
 Viscosity (Mixed) 190cps
 Demold time: 30-60 minutes
 Hardness (shore): 75D +3
 Color: White



BC8405

BC8405 is an unfilled, low viscosity, quick setting two component urethane system. An easy to use 1 to 1 mix ratio (Part A/Part B), BC8405 offers the user a reasonable working time with parts demoldable in as little as 2 hours. When properly cured, BC 8405 will exhibit high impact strength and yield thermoplastic-like parts.

Some outstanding features include the following:

- *Mercury free
- *High impact strength
- *Moderate heat resistance
- *No objectionable odor
- *1 to 1 mix ratio
- *Excellent finishing properties
- *Turns white upon cure
- *Thermoplastic appearance
- *Longer mold life
- *More parts per day

Features:

Mix ratio: 100:100 by wt.
 Mix ratio: 100:100 by vol.
 Pot life: 15 minutes
 Viscosity (Mixed) 190cps
 Demold time: 2-4 hours
 Hardness (shore): 75D +3
 Color: White

BC8782

BC 8782 produces a high impact rigid 82 Shore D material that is commonly used to make clear or tinted castings of all kinds. When used at room temperature castings 1/8" thick or larger can be readily cast. Castings that are less than 1/8" thick generally require a mild post-cure. Easily tintable using BCC color tints. This system is not recommended for use with tin cure silicones.

Features:

Mix ratio: 100:85 by wt.
 Mix ratio: 100:88 by vol.
 Pot life: 12-14 minutes
 Viscosity (Mixed) 650cps
 Demold time: 6-8 hours
 Hardness (shore): 82D
 Color: Clear

DP-11-90

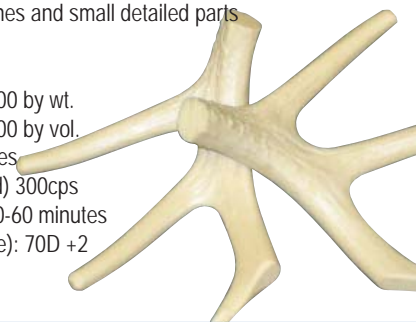
DP-11-90 is an unfilled, low viscosity, quick setting two component urethane system. An easy to use 1 to 1 mix ratio (Part A/Part B), DP-11-90 offers the user a 3 minute working time with parts demoldable in as little as 30 minutes. When properly cured, DP-11-90 will exhibit high impact strength and yield thermoplastic-like parts.

Some outstanding features include the following:

- *Mercury free
- *High impact strength
- *Moderate heat resistance
- *No objectionable odor
- *1 to 1 mix ratio
- *Excellent finishing properties
- *Turns tan color upon cure
- *Thermoplastic appearance
- *Longer mold life
- *More parts per day
- *Ideal for figurines and small detailed parts

Features:

Mix ratio: 100:100 by wt.
 Mix ratio: 100:100 by vol.
 Pot life: 3 minutes
 Viscosity (Mixed) 300cps
 Demold time: 30-60 minutes
 Hardness (shore): 70D +2
 Color: Tan



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