



## Master Protowax

### Description

Master Protowax is a uniquely machinable investment casting wax perfect for prototype work or short run part requirements. Manufactured by Freeman, Master Protowax is non-abrasive to eliminate tool wear and melt out cleanly with practically no ash or residue. Excellent stability and low expansion virtually eliminates shell cracking problems.

### Physical Properties

|                                   |        |
|-----------------------------------|--------|
| Color (visual)                    | Red    |
| Specific Gravity                  | 0.94   |
| Ash Content                       | 0.010% |
| Hardness (Shore D)                | 43     |
| Softening Point                   | 157° F |
| Volumetric Shrinkage @ Room Temp. | 7%     |
| Viscosity @ 160°F (CPS)           | 30     |

### Machining Parameters:

|                                  |                       |
|----------------------------------|-----------------------|
| <i>Roughing</i> - Spindle Speed  | 3,000 RPM             |
| Feed Rate                        | 100 in. per minute    |
| <i>Finishing</i> - Spindle Speed | 8,000-10,000 RPM      |
| Feed Rate                        | 40-100 in. per minute |

- Data obtained using a 1/2" ball end mill

### Ordering Information

Master Protowax is available in block form up to 3" thick, and in cylinder form from 2" to 8.25" in diameter up to 12" long. Custom sizes are available. Contact our Customer Service Department for particular size availability.

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