



## Freeman Blue Machinable Wax

### Description

Freeman Blue Machinable Wax is non-abrasive, non-toxic, self-lubricating and able to be glued. It is used for proofing NC/CNC machining programs, NC/CNC system set-up and training aid material. The Freeman Blue Machinable Wax machines easier than plastic tooling boards or metals without sacrificing quality of finish, surface detail and dimensional accuracy. This makes it an excellent material for accurate molds and prototypes.

### Physical Properties

Color (visual)	Blue
Specific Gravity	0.92
Ash Content	0.01%
Hardness (Shore D)	50-55
Softening Point	226° F
Flash Point	575° F
Volumetric Shrinkage @ Room Temp.	7%
Coefficient of Thermal Expansion (in/in/°F)	9.5 x 10 <sup>-5</sup>

### 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

Freeman Blue Machinable Wax is available in block form up to 8" x 24" x 48" and in cylinder form from 1" to 7" in diameter up to 18" long. Custom sizes are available. Contact our Customer Service Department for particular size availability.

Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute a warranty, expressed or implied, including any warranty or merchant-ability or fitness, nor is protection from any law of patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental, or consequential damages.

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