



**FREEMAN**  
Manufacturing & Supply Co.

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# Machinable Wax

## Description

Formulated & Manufactured by **Freeman Mfg. & Supply Co.** to be used for:

- Proofing NC/CNC Machining Programs
- Producing Accurate Molds and Prototypes
- Use As A Training Aid Material
- NC/CNC Systems Set-up and Demo

Machinable wax is:

- Non-Abrasive
- Non-Toxic
- Self-Lubricating
- Able To Be Glued

Machinable Wax machines easier than plastic tooling boards or metals without sacrificing quality of finish, surface detail and accuracy of dimen-

## Physical Properties

Color (visual) .....	Blue
Specific Gravity .....	.92
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:

- Roughing* - Spindle Speed..... 3,000 RPM  
 Feed Rate ..... 100 in. per minute
- Finishing* - 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 Machinable Wax is available is block form up to 8" x 24" x 48" and in cylinder form from 1" to 7" in diameter up to 18" long. Custom and larger sizes are available. Contact our Customer Service Department for particular size availability.