



U.S. Foam & Etch

## Tool Control Foam Specifications:

### TOP FOAM LAYER

Type: Cross-linked polyethylene  
Thickness: 1/2"  
Colors: Black or Blue  
Density: 4 lb.

### TYPICAL PROPERTIES

<b>Compression Strength / (ASTM D3575)</b>	4 pcf
(lb / sq-in) @ 25% compression	8
(lb / sq-in) @ 50% compression	20
<b>Tensile Strength / (ASTM D3575)</b>	
(lb / sq-in) Machine Direction	132
(lb / sq-in) Cross-Machine Direction	82
<b>Tensile Elongation / (ASTM D3575)</b>	
(%) Machine Direction	177
(%) Cross-Machine Direction	135
<b>Tear Resistance / (ASTM D3575)</b>	
(lb / in) Machine Direction	15
(lb / in) Cross-Machine Direction	15
<b>Compression Set / (ASTM D3575)</b>	24
% Original Thickness	15
<b>Shore Hardness / (ASTM D2240)</b>	
A Scale	15
O O Scale	64
<b>Thermal Stability</b>	
<b>24 Hour Test @ 158° F (70° C)</b>	
AVE MD %	-1.0
AVE CD % Change	-1.0
AVE TH %	3.0

### HARD BACK LAYER

Type: Moderately expanded closed-cell polyvinyl chloride (PVC) in a homogenous sheet with a low-gloss matte finish.  
PVC 75-85%  
Proprietary additives 15-25%  
Thickness: 1/8" +/- 1/32"  
Colors: Red, Yellow, Blue, Green, Orange (custom colors on request)  
Density: 60 lbs/ft<sup>3</sup>

### GENERAL CHARACTERISTICS

Lightweight yet rigid and durable  
chemical resistant  
Superior dent and scratch resistance  
Flammability Characteristics  
Can be laser etched  
**Self extinguishing**  
UL 94V-0  
UL 94 5-V  
Class 1 or Class A (ASTM E-84) in gauges of 3mm or less

### GENERAL SPECIFICATIONS

Manufactured in the USA.  
Materials meet Mil Specs. AA-59315 and AA-59316  
Our foam provides excellent color contrast for easy tool identification. We can also etch part numbers or position numbers for inventory.  
Our foam is precision cut to fit your exact items shape to ensure a secure hold and protection.

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MSDS available upon request