



VFI-3170 POLYURETHANE RUBBER CASTING SYSTEM

Overview

- **Description**
 VFI-3170 is a unique, moderate viscosity, 2 to 1 mix ratio casting system designed for easy processing and 4 hour de-molding. This system is a 70 Shore A hardness elastomer with excellent rebound properties.
- **Usage**
 VFI-3170 applications include:
 - Potting of mechanical parts to control vibration
 - Poured in place supports for equipment
 - Flexible form liners and concrete molds
 - Low temperature flexible casting molds
- **Color**
 Standard color is green. For information on custom colors, contact Volatile Free, Inc.

Physical Properties

- | | | | |
|---------------------------------------------------------------------|----------------------|----------------------------------------------|-----------|
| ■ Hardness
ASTM D-2240
Shore A
Shore D | 70-72
N/A | ■ Tear Strength
ASTM D-624 (Die C) | 135 pli |
| ■ Tensile Properties
ASTM D-412
Strength
Elongation | 1100 psi
670% min | ■ Solid Material Density | 66.90 pcf |
| | | ■ Dimensional Stability
Shrinkage | <0.001% |
| | | ■ Fire Resistance
Not rated. | |

Liquid Component Properties

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ■ Ratio <ul style="list-style-type: none"> ■ By Volume: 1A:2B ■ By Weight: 55 A : 100 B | ■ Toxicity
ISO component contains MDI Isocyanate requiring respirator, gloves, eye protection and protective clothing during application. |
| ■ Solids
100% | ■ Reactivity <ul style="list-style-type: none"> ■ Pot Life: 8 minutes at 77°F ■ De-mold Time: 4 hours at 77°F |
| ■ Viscosity
Mixed
600-1000 cps @ 77°F | ■ Storage Stability or Shelf Life
"A" side: 12 months in unopened containers @ 60-90°F. The "A" side will chemically react with moisture. Store in tightly sealed containers without exposure to moisture.

"B" side: 12 months in unopened containers @ 60-90° F. The "B" side is moisture absorbent. Keep unused material sealed to prevent moisture absorption. |
| ■ Liquid Density & Specific Gravity
"A" side
"B" side | |
| ■ VOC
Contains no volatile organic compounds. | |

Application

- **Equipment**

Hand mix, machine mix or injection equipment. For equipment requirements and specific instructions, contact Volatile Free, Inc.

- **Material Preparation**

The product must be over 70° F for proper mixing. The Poly "B" side must be premixed slowly before using at low rpm to minimize air entrapment. Mix just enough to maintain a small vortex.

- **Mixing**

Hand mix thoroughly for 30 seconds minimum. Power mixing or meter mix equipment is mandatory for quantities over 1 gallon. Make sure to mix and scrape the bottom and sides of the container to ensure uniform mix. Do not scrape out material from sides when pouring onto intended surface.

- **Limitations**

To verify this product is appropriate for your specific application, consult with Volatile Free, Inc.'s technical department

- **Clean-up Solvent**

Xylene, MEK. For reduced fire hazard use glycol ethers or environmentally acceptable chlorinated solvents.

- **Precautions**

See Safety Data Sheet for complete safety data.

- **Thinning**

Do not thin this material with any solvents.

- **Packaging**

- 5 gallon pails
- 15 gallon ponies
- 55 gallon drums
- 270 gallon totes

For more information, contact us today at **800-307-9218**

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