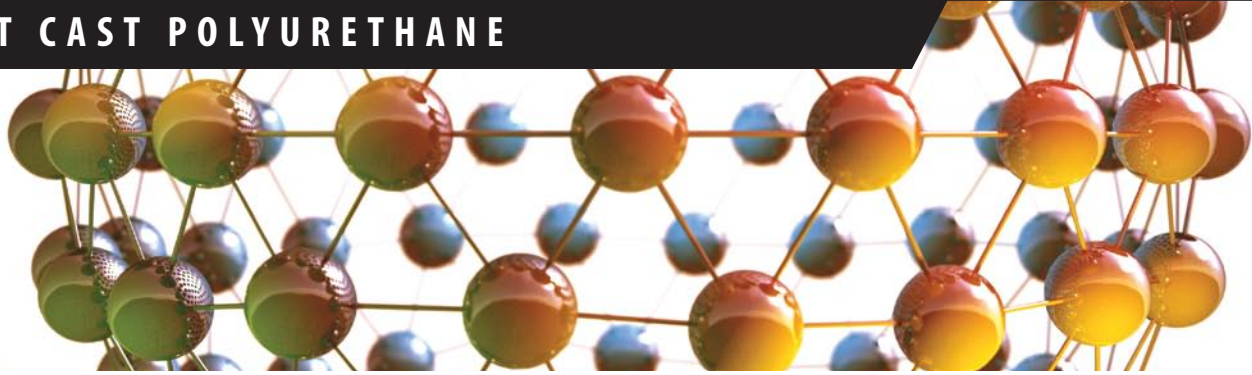




**BUSCHMAN**  
CORPORATION

Performance for the long run.

## HOT CAST POLYURETHANE



# Buschman hot cast polyurethane comes in lengths up to 11.58 meters (456")!

Buschman Corporation now offers hot cast polyurethane, custom-designed for your application, in lengths up to 11.58 meters (456"). Available in a variety of shapes and sizes, textured surfaces, and multiple hardness and impact resistance levels, Buschman's hot cast polyurethane is manufactured with precision, consistency and quality, from end to end. And, Buschman specializes in bonding polyurethane to a variety of substrates, including metals.

Call us at **1•216•431•6633** to discuss your custom engineered application. We will work with you to design and produce hot cast polyurethane parts to fit your application, in specialty lengths up to 11.58 meters (456") that will save you money in the long run.

### MANUFACTURING PROCESS

**Customized.** In-house custom-engineering of molds and parts using AutoCAD and SolidWorks.

**Consistent.** Precise heat control at all stages of processing maintains material stability and physical properties of finished parts.

**Accurate.** Highly accurate gear-pump metering of raw materials.

**Colorful.** 3-component machine with 3 color streams and 1 additive stream.

**Flexible.** Durometer range from 40 Shore A to 83 Shore D.

**Bonded.** Expert bonding to a variety of substrates, including metals.

**Advanced.** Partnered with world-class polymer science laboratory for continuous innovation and improvement.

**Responsive.** Manual processing available for specialty, low-volume, and prototype parts.

### BENEFITS VS. RUBBER

**Abrasion resistant.** Superior to rubber, plastics, and metals in many wear applications.

**Tear resistant.** Tear strength for polyurethanes is far superior to rubbers.

**Available in a wide variety of colors.** Can be pigmented in a variety of colors, including transparents.

**Cast into molds, not compression molded.** Consistent quality achieved, with minimal post cast machining required.

**Lower cost to manufacture.** Lower materials costs and repeated use of molds ensure lower costs to manufacture.

**Compression memory.** When stretched or compressed, polyurethane returns to its original shape.

**Weather & chemical resistant.** Impervious to ozone, sunlight, oxygen and weather conditions; resists breakdowns from exposure to oil, grease, gasoline, and solvents.

**Longer life.** Abrasion, tear resistance, and superior load-bearing capabilities lead to longer life.