



The diverse properties of castable polyurethane make it the leading choice of engineers looking for long lasting materials for their high load, high stress environments. Polyurethane routinely outperforms plastic, rubber and steel in its overall ability to resist harsh environmental factors such as abrasion, heat, solvents, oil and acid. In addition, polyurethane's noise abatement ability makes it the preferred material in chain-drive designs, conveyor belt systems and assembly line environments. In today's manufacturing environments where the cost of downtime is measured in thousands of dollars per hour, polyurethane's incredible durability actually increases your company's profitability.

Physical Properties of Polyurethane

The physical properties of polyurethane are considerable. Polyurethane performs well for hardness, tensile strength, compression strength, impact resistance, abrasion resistance and tear strength.

With its greater versatility and durability over structural plastics and metals, polyurethane is the material of choice for some of the most demanding industrial applications. Polyurethane is used on a wide variety of industrial machinery both in the manufacturing and production process of businesses today. Polyurethane has a longer service life than other materials on the market, and products with a longer service life will translate into less down time and lower operating costs for the business.

Edge Over Plastics	Edge Over Metals	Edge Over Rubber
High Impact Resistance	Reduced Weight	High Cut and Tear Resistance
Superior Abrasion Resistance	Superior Abrasion Resistance	Superior Abrasion Resistance
Resilience	Non Marking	Oil Resistance
Superior Flex Properties	Lower Fabrication Costs	Higher Load Bearing Capacity
Noise Reduction	Noise Reduction	Resilience
Low Pressure Tooling	Corrosion Resistant	Low Pressure Tooling
Lower Fabrication Costs	Non Marking	Non Marking
Greater Load Bearing	Non Conductive	Ozone Resistance

Send us your specifications, part print or existing part and for a no cost quote.
CLICK HERE FOR A FAST QUOTE: info@asgco.com

The ASGCO® Advantages:

1. We can prototype your existing part at no cost.
2. We have in-house mold manufacturing to help reduce or eliminate mold costs.

Advantages of a Custom Molded Urethane Parts:

- Prints are not required. We can reverse engineer an existing part.
- Considerably tougher than plastic.
- One step molding process is more cost effective than machining blocks of plastic.
- Can produce custom molded parts to replace brass parts which require expensive machining. The parts can be slick with low friction if needed.
- Tooling for compression molded parts is very inexpensive in comparison to other forms of molding such as injection and transfer.
- Delivery for a custom molded urethane part is very quick.
- Able to mold intricate shapes with or without metal inserts.
- We can quote from 1 custom molded part to over 1000 custom molded parts.
- We can bond custom molded urethane parts to other substrates such as phenolic, steel, aluminum and plastic.

Why Urethane?

Compression molding responds to a wide range of product sizes, shapes and performance requirements. Our molded polyurethane parts reduce the time and expense of machining parts from solid stock plastic.

If you are seeking a **world-class polyurethane manufacturer** and a leader in **molded polyurethane products** and technology, then ASGCO® is here to help. We offer a vast array of polyurethane compounds for your polyurethane molded parts.

Polyurethane molding produces a wide variety of products for most industries. ASGCO® Urethane has been the polyurethane specialist that companies around the world have depended on to gain all of the advantages of polyurethane for a wide range of parts. Polyurethane molded parts can be rigid and solid depending on the durometer you need.

In addition, our extensive polyurethane stock ensures rapid turn-around for your polyurethane parts requirements. The formula for our success is based on the fact that we determine our customers' needs for design, delivery, and price - and we meet those needs better than any other cast urethane product manufacturer. Our in-house polyurethane molding design expertise gives us the ability to provide our customers with cost-effective tooling.

ASGCO® Urethane has been manufacturing polyurethane injection molding parts for several industries. Injection **molded polyurethane** products have been produced for various industrial sectors including mining, transportation, building and construction, machinery and foundry, textiles, fiberglass, steel and aluminum and seals.

Your possibilities with our varied polyurethane molding options are almost limitless, including compression, transfer and injection molded, extruded or calendared.

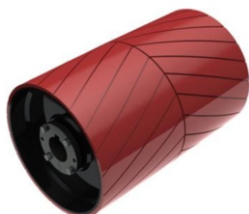
- Custom molding of cast polyurethane
- Polyurethane product design and development
- Polyurethane mold making and machining

ASGCO® Urethane Products is an Experienced Molded Urethane Job Shop.

We mold all of our standard and custom formulas as well as our entire range of durometers, 20A to 80D.

The advantages of a molded urethane part versus machined plastic parts are numerous. The urethane is considerably tougher than plastic and the one step molding process is more economical than machining blocks of plastic. Tooling for compression molded parts is very inexpensive in comparison to other forms of molding. ASGCO® makes all of its compression molds here in our own machine shop.

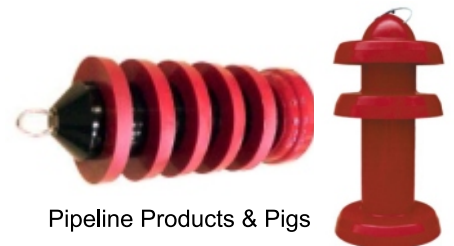
Other advantages of compression molding are its ability to mold large, fairly intricate parts. Also, it is one of the lowest cost molding methods compared with other methods such as transfer molding and injection molding. We do not require blue prints to make a custom part. We can make your part from an existing part supplied to us. Compression-molding is also suitable for ultra-large basic shape production in sizes beyond the capacity of extrusion techniques.



Urethane Lagged Pulleys & Rollers



Urethane Classifier Shoes



Pipeline Products & Pigs