

EPDM CUSTOM MANUFACTURING

As a leading manufacturer of extruded EPDM Rubber Profiles and Tubing, we serve markets specializing in the automotive, food processing, electronics, aerospace, healthcare, construction, and defense industries.

EPDM

CUSTOM MANUFACTURING



EPDM TUBING

As a custom rubber manufacturer in the U.S. since 1923, Alliance Rubber Company is equipped to formulate custom EPDM compounds specifically designed for your application. We develop unique formulations with the durometer, color, and performance characteristics relevant to the end use of the product.

EPDM rubber, a polymer composed of ethylene propylene diene monomer, is the premier weather resistant synthetic elastomer. It has excellent heat, ozone, UV, aging, and weathering resistance. EPDM rubber also exhibits excellent electrical insulation, good compression set and low-temperature properties. EPDM is also resistant to many mild acids, liquid fertilizers and synthetic brake fluids. The long-term lifespan allows for fewer replacement parts, saving money in the long run.

KEY CHARACTERISTICS:

- Excellent resistance to ozone, sun, steam, water, and oxygen
- Excellent resistance to acids, alkali, and ketones
- Excellent heat resistance and aging
- Low temperature usage: -20°F to -60°F (-29°C to -51°C)
- High temperature usage: Up to 350°F (UP to 177°C)
- Tensile Range: 500-2500 P.S.I.
- Elongation: 600% Maximum
- Durometer (Hardness) Range: 30-90 Shore A
- Good electrical insulation properties
- Low electrical conductivity
- Adhesion to metals: Fair to Good
- Solvent resistance: Poor
- Oil resistance: Poor

INDUSTRY STANDARDS:

- MIL-STD-105e
- ASTM D-2000



EPDM EXTRUSIONS

VALUE

EPDM Products are more durable and long lasting, making them the solution for industrial and outdoor use.

WHERE TO SELL

Aerospace
Medical
Electronics
Construction
Plumbing
Automotive
Military & Government
Parks & Recreation
Mining & Excavation

TIPS

EPDM Products are designed specifically for heavy-duty usage. These products are versatile and useful in a wide range of applications such as radiator and heater hoses, window and door seals, wire and cable connectors, and weather stripping.

 **AMERICAN MADE**
Using Globally Sourced Materials

**WOMEN
OWNED**

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**Alliance**[®]
RUBBER COMPANY

HOLDING YOUR WORLD TOGETHER

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