



High Performance Rotomold Parts

Lower Costs

In many applications, rotationally molded products are significantly more cost effective than composites, metal, or other forms of thermo-plastic processing. Rotomold eliminates labor intensive hand operations and expensive tooling. Rotomolding can provide significant cost reduction. Traditional methods can cost up to three times more than rotomolding. With rotomolding, designers can easily incorporate molded-in threads or metal inserts at little or no added cost.

Lightweight

Rotomolding makes it possible to cut part weight without sacrificing strength or durability. By using high performance materials, rotomolded parts can be made in wall thicknesses of 0.050" or less. As a result, parts can weigh up to 60% less than comparable metallic or composite parts.

Rotation

In rotational molding, a loaded mold is rotated continuously on two axes through heating and cooling cycles. The result is an even distribution of the plastic compound within the mold providing uniform wall thicknesses and a virtually stress free part.

Improved Durability

The rotomolding process provides a uniform thickness throughout the part, even when manufacturing complex geometry.

Uniform wall thickness ensures part integrity and provides a very smooth interior finish, an important factor in achieving superior air or fluid flow characteristics.

Unlike other plastic molding processes, rotomolded parts are virtually stress free. This increases part integrity and stress crack resistance.

The Source for Rotomold Parts

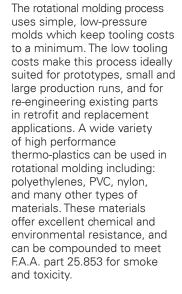
Aerospace engineers and designers are continually challenged to cut costs, reduce weight, and improve product durability while increasing manufacturing flexibility. Eaton's Aeroquip® rotational molding capabilities are helping development teams meet these challenges by providing new options for the design, manufacturing and assembly of small or large complex parts.











Increased Manufacturing Flexibility





Eaton is an expert at applying rotomolding to meet your precise needs. As a vertically integrated supplier, Eaton is a one-stop source for concept development, integrated engineering, design, computer-based solids modeling, rapid prototyping, stress analysis, low-volume tooling, production tooling, and full scale production and assembly.

Excellence from Design through Manufacturing



Eaton can produce prototype plastic parts within three days or less through state-of-the-art CAD/CAM systems and rapid prototyping.

Eaton rotomolding capabilities can help you meet the challenge to reduce cost and weight while improving product durability, and increasing manufacturing flexibility. We would welcome the opportunity to work with your team to provide the best rotomolded solution for your application.

Rotomold Parts



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