

# SPECIALTY ELASTOMER DIE CUT FABRIC REINFORCED DIAPHRAGMS

*Amherst, NH - February 2024*

DiaCom Corporation has been producing highly engineered fabric reinforced diaphragms since 1983. These diaphragms are produced double coat and single coat. Our unique process gives us the ability to produce single coat and double coat molded diaphragms and flat diaphragms not utilizing calendared or coated sheet stock.



For decades, double coat flat diaphragms were produced from calendared or coated fabric sheet stock. This is fine for low-cost materials at high volume. However, it becomes extremely costly to produce these using exotic materials like FKM, Fluorosilicone, Silicone or any other specialty elastomer. Combine that with high cost Nomex fabric and the calendared materials become cost prohibitive. There are also high minimum buys on these specialty coated fabrics if you can even find someone that is willing to calendar these materials.

Fortunately, DiaCom can produce these flat diaphragms without utilizing coated fabric. Our proprietary double coat molding process does not utilize coated fabric. The DiaCom double coat process applies a near equal layer of elastomer to each side of the fabric. Because we are molding the elastomers and fabrics together we do not utilize calendared or coated fabrics in our process. There are also no minimum buys for our diaphragms utilizing this process. We can produce these flat diaphragms to virtually any thickness down to .020" thick.

Please contact our sales team if you would like to discuss any diaphragm applications.

## Diaphragm Design & Manufacturing Leader

DiaCom Corporation, an ISO 9001 and AS9100 certified company, is a recognized leader in the design, manufacture and application of innovative, high performance molded diaphragm seals. DiaCom serves a variety of markets worldwide including industrial, automotive, aerospace, food processing, water control and conservation, medical instrumentation, appliances and others. DiaCom offers state-of-the-art diaphragms designed for cost effectiveness, ease of installation, durability and high performance characteristics.

 **DIA·COM CORPORATION**  
The Diaphragm Company  
Online Guidebook: [www.diacom.com](http://www.diacom.com)



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