Edlon Fusion Welding Offers Worry-Free Operation

Description
Edlon, Inc. utilizes a proprietary seaming technique wherever possible in all of our products called fusion welding. The ability to offer 100% fusion welded seams in many of our products is unequalled by our competition. Edlon fusion welds exhibit tensile and elongation properties that equal those of the virgin fluoropolymer films. Edlon's fusion welds allow for natural flex and strain, eliminating stress risers and minimizing the chance for stress cracking.

Advantages
Edlon not only fusion welds liner sheets together, but also utilizes this technique to install nozzles into liners. Edlon's fusion-welded nozzle seams enable us to offer low stress nozzle designs to eliminate some of the most common failure modes, such as vapor permeation through a weak air weld. Fusion welded nozzle seams significantly reduce stress risers and the risk of stress-cracking that is normally associated with air welds in these critical areas.

Benefits
Eliminates industry-standard air weld or cap strips susceptible to stress-cracking and other failure modes.

Fusion welded seams are flat, smooth, indiscernible, and virtually invisible.

Offers a huge advantage to the high purity and semiconductor industry.

No step or crevice between liner sheets for metal ion contamination, bacterial growth, or other impurities to collect and to affect your process and eventually cause it to fail.

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Edlon’s Secure & Pure™ Pure-Fusion Technology

The information and specifications contained in this data sheet are believed to be reliable general guidelines for consideration of the products described herein. The information is general in nature and should not be considered applicable to any specific process or application.

Edlon expressly disclaims any warranty, expressed or implied, of fitness for any specific purpose in connection with the information.

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