

ILT Inter-Seal® Bonding System



The Revolutionary Solution to Liner Fallout

ILT has eliminated the problem of liner fallout by creating its own patented Inter-Seal® bonding process that bonds silicone/PTFE and other elastomeric compounds directly into thermoplastic and thermoset closures for use with glass and plastic containers.

ILT's proprietary innovation is a chemically inert process that produces a true bond at the molecular level between the septa and the plastic cap without using adhesives. The septa are completely secured, preventing liner fallout. The septa are also uniform, which minimizes coring and eliminates excess evaporation.

ILT can provide bonded caps in a variety of sizes, standard resins, high temperature resin, and colors. Both open-top and closed-top closures can be bonded with various liner materials.

There is no other product like it on the market.



Market Applications:

- Chromatography
- Environmental (water and soil sampling)
- Diagnostic packaging
- Pharmaceutical packaging
- Cosmetic packaging

Benefits of Inter-Seal® bonded caps:

- True bond at the molecular level of plastic and rubber (adhesive free)
- Significant bond strength
- Withstands multiple sterilizations
- Suitable for multiple cleaning cycles
- Withstands multiple injections
- Excellent resealability
- Broad chemical resistance
- Processed in clean room environment
- Cost effective
- Low bleed
- Best seal on the market

Liners available in:

- Custom colors
- Open top and closed top caps
- Wide range of thicknesses and durometers
- Cap sizes from 8mm to 120mm

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