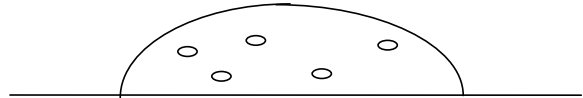




Are Micro Air Bubbles Causing Macro Headaches?

If you are having trouble with micro air bubbles in your process, try these troubleshooting tips!

Order Product in Syringes or Cartridges



For syringes, cartridges, or pressure pots:

- Store the syringes or cartridges in an upright position. The blue end caps should be pointed towards the ceiling, while the tip cap (or dispensing end) should be pointed down. Storing syringes and cartridges in this way allows the entrapped air to remain by the piston end of the syringe, where there will always be some amount of air entrapment due to the filling process.
- While maintaining an upright position, remove the cap and attach valve or syringe needle. Purge the system (while upright) of any air bubbles that may have been produced by screwing or unscrewing the cap or valve. A threaded system tends to introduce micro air bubbles.
- Purge at a high pressure to ensure that all air bubbles are forced out of the syringe or the valve. If low pressure is used, the bubbles may be caught on imperfections and left behind, only to come out during production later.
- If a long length of tubing is used between the cartridge and the needle tip, purge for several minutes to get the air bubbles out of the tube. The best method to reduce the chance of air bubbles is to shorten the distance between the cartridge and the valve. The optimum system will have no tubing at all.
- Once the fluid line has been purged, reduce the pressure to a normal working level.
- When possible, insert the tip of the dispensing needle into the material during dispense. This can reduce ambient air from being drawn in and trapped within the adhesive. Dispensing material above the bond line (rather than at the bond line) can increase chances of trapping air.



www.dymax.com

© 1997-2022 Dymax Corporation. All rights reserved. All trademarks in this guide, except where noted, are the property of, or used under license by Dymax Corporation, U.S.A.

The data contained in this bulletin is of a general nature and is based on laboratory test conditions. Dymax does not warrant the data contained in this bulletin. Any warranty applicable to the product, its application and use is strictly limited to that contained in Dymax's standard Conditions of Sale. Dymax does not assume responsibility for test or performance results obtained by users. It is the user's responsibility to determine the suitability for the product application and purposes and the suitability for use in the user's intended manufacturing apparatus and methods. The user should adopt such precautions and use guidelines as may be reasonably advisable or necessary for the protection of property and persons. Nothing in this bulletin shall act as a representation that the product use or application will not infringe a patent owned by someone other than Dymax or act as a grant of license under any Dymax Corporation Patent. Dymax recommends that each user adequately test its proposed use and application before actual repetitive use, using the data contained in this bulletin as a general guide. TB110 3/26/2019