

PRESS RELEASE #336

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I&J Fisnar Inc. Disposable Parts for Common Adhesives in Medical and Electronic Assemblies

Two of the most common adhesives used in electronics and medical industries are UV and Cyanoacrylate fluids. Both these adhesives require disposable products suited to their properties and caution should be exercised in selecting the right syringe and needle (tip) system to deliver the material.

UV fluids will vary in sensitivity and it is therefore possible to use a less opaque barrel; where fluid level can be observed, however check the specification with the material supplier. The tip should be manufactured using a high grade of stainless steel.

Cyanoacrylate requires Polyethylene and/or Teflon Disposable parts. The polymerization of cyanoacrylate is a reaction which occurs when the adhesive comes into contact with humidity or metal-ions present on the substrates. Teflon inserts are provided within a Stainless Steel needle to avoid contact.

Cyanoacrylate is generally a clear liquid with a viscosity from 3 cps to 2000 cps. Polymerization reaction starts at the surface of the adhesive toward the center of the deposit. In order to have good adhesion (bond) between two substrates, the thickness of the cyanoacrylate must be thin. Therefore a precise dispensing system with suitable disposable parts is necessary.

For further information on all of our dispensing solutions contact I&J Fisnar Inc.

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