

Potting HDI Procedure

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1) **Mixing Silicone Epoxy**

- a) Use a large syringe to remove 6cc SYLGARD 184 silicone base and
- b) Stir well in mixing cup and let stand for approx. 30 minutes to get out the bubbles.

2) **Prepare tray**

- a) Check under microscope that mask is attached everywhere
- b) Slip 2 wood sticks under length of mask to keep it upright and tape upright mask in place onto the Kapton.

3) **Set up epoxy dispenser**

- a) Turn on air flow from wall
- b) Put silicon epoxy into 10cc tube with green tip
- c) Put on cap and set out put pressure to 5-8 psi
- d) Make sure epoxy doesn't drip. Back pressure should be set, but if to high or low adjust slightly. Too much back pressure will bring bubbles up through the epoxy.
- e) Dispense material onto Mylar sheet for test. Flow should be even.

4) **Prepare for potting**

- a)