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126-22

ANISOTROPIC CONDUCTIVE ADHESIVE

DESCRIPTION: 126-22 is a pre-catalyzed, solvent-resistant, anisotropic conductive adhesive. This product features excellent adhesion to Kapton, Mylar, glass, and a variety of other substrates. Unlike conventional conductive materials, this product is very resistant to methyl ethyl ketone. This product features a hydrophobic resin that has proven well in humid aging studies and is also very resistant to scratching and creasing. Applications for 126-22 include, but are not limited to, conductive splicing of ribbon cables, PTF circuits attachments, and LED surface bonding demands. This product is useful in application where ensuring good electrical contact for all connections is a concern.

TYPICAL CURED PROPERTIES:

Volume Resistivity (Ω -cm)	
(X, Y Axis)	1×10^{12}
(Z Axis)	0.0001
Consistency	Smooth paste
Hydrolytic Stability	Excellent
Useful Temperature Range ($^{\circ}$ C)	-55 to +200
Thermal Stability ($^{\circ}$ C)	Good to 250

CURE SCHEDULE:

125 $^{\circ}$ C	5 min.
150 $^{\circ}$ C	2 min.
175 $^{\circ}$ C	30 sec.

Not recommended for applications that cannot cure above 110 $^{\circ}$ C.

STORAGE: Shelf life: 2 months at 25 $^{\circ}$ C or 12 months at -10 $^{\circ}$ C.

SAFETY & HANDLING: Use with adequate ventilation. Keep away from sparks and open flames. Avoid prolonged contact with skin and breathing of vapors. Wash with soap and water to remove from skin.

All technical information is based on data obtained by CMI personnel and is believed to be reliable. No warranty is either expressed or implied with respect to suitability in particular application or possible infringements on patents.

REVISION DATE: 05/05/15 REVISION: C



Guidelines for Handling of Syringes

STORAGE:

- Upon receipt of shipment, syringes should be unpacked immediately and stored in freezer at -10° C. Do not store syringes in deep freeze (-40°C).
- Do not handle syringes from the body of the packaging. Handle from the ends of the packaging.
- Store syringes vertically (upright) with tip side down. Do not store syringes horizontally (sideways). Syringes should be stored in this manner until needed for production. Shelf life of syringes will be indicated on the products technical data sheet.
- Syringes are labeled with product number, lot number, and manufacturing date. It is important that the syringes are used according to earliest manufacturing date, "FIFO" (first in, first out).

PREPARING SYRINGES FOR USE:

- To thaw syringes, remove them from the freezer taking care not to handle the body of the syringe (handle from the top and/or the tip) and allow them to acclimate to ambient temperature with the tip down.
- Do not use hands to warm syringe.
- The thawing time for each syringe will vary based on mass and composition but a minimum of 45 minutes for 3cc, 5cc, and 10cc and a minimum of 90 minutes for 30cc syringes should be observed.
- Using a heat source to thaw syringes is not advised.
- Proximity to a heat source during thawing should be greater than 3 feet.
- Although most materials can be refrozen minimizing freeze-thaw cycles is recommended.
- Once material is fully thawed remove protective wrapping.

SYRINGE INFORMATION:

- Creative Materials syringes have luer-lock fittings and are compatible with most types of dispensing equipment.
- Creative Materials syringe are provided packaged with smooth flow piston technology design for use on automated or manual dispense equipment but are not hand plunger equipped.
- Creative Materials routinely provides syringes in volumes of 3cc, 5cc, 10cc, and 30cc. Other sizes may be available upon request.
- Other information regarding syringes can be obtained by sending an email to info@creativematerials.com.

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