

**AXIS 921**

**POLYCARBONATE/FLEXIBLE PVC BONDER**

**TECHNICAL DATA**

**Product Description**

Axis 921 is a low viscosity, fast curing, flexible adhesive with autoclave resistance. AXIS 921 cures in seconds when exposed to light of the proper wavelength and intensity and achieves excellent adhesion to a variety of substrates including glass, plastics, and metals. Resin Designs medical device adhesives contain no nonreactive solvents and cure upon exposure to light. Their ability to cure in seconds enables faster processing, greater output, and lower processing costs. This product is in full compliance with the RoHS directives 2002/95/EC and 2003/11EC. Axis 921 has been qualified to the ISO 10993 Protocol as a means to assist in the selection of products for use in the medical device industry.

**APPLICATIONS**

**FEATURES**

- UV/visible light cure
- Rapid cure
- Moisture resistant
- Autoclave resistant

**RECOMMENDED SUBSTRATES**

- Polycarbonate
- PVC

**BIOCOMPATIBILITY**

ISO 10993 cytotoxicity

| <b>UNCURED PROPERTIES*</b> |                         |                    |
|----------------------------|-------------------------|--------------------|
| <b>Property</b>            | <b>Value</b>            | <b>Test Method</b> |
| Solvent Content            | No Nonreactive Solvents | N/A                |
| Chemical Class             | Epoxy                   | N/A                |
| Appearance                 | Translucent Liquid Gel  | N/A                |
| Viscosity, cps             | 2,500-4,000             | TFTEST001          |
| Specific Gravity           | 1.05                    | TFTEST002          |

| <b>CURED MECHANICAL PROPERTIES*</b> |              |                    |
|-------------------------------------|--------------|--------------------|
| <b>Property</b>                     | <b>Value</b> | <b>Test Method</b> |
| Durometer Hardness, Shore D         | 55-60        | N/A                |
| Tensile Strength, psi               | 6,000        | N/A                |
| Elongation at Break, %              | 4            | N/A                |

| <b>OTHER CURED PROPERTIES*</b>       |              |                    |
|--------------------------------------|--------------|--------------------|
| <b>Property</b>                      | <b>Value</b> | <b>Test Method</b> |
| Dielectric Breakdown Strength, V/mil | 1,800        | N/A                |

**Storage:**

Store material in cool, dry location at a temperature between 10°C to 28°C. Keep from freezing. Material is sensitive to UV and visible light. Refer to packaging specific quote for shelf life information. Consult MSDS for safe handling recommendations.

**ISO - 10993**

An ISO 10993 test protocol is an integral part of the quality program for Axis 921. Axis 921 has been qualified to Resin Designs, LLC ISO 10993 protocol as a means to assist in the selection of products for use in the medical device industry.

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Resin Designs, LLC 11 State Street Woburn, MA 01801 www.resindesigns.com P 781-935-3133 F 781-935-3144

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