

AXIS 928
MULTIPURPOSE ADHESIVE FOR PLASTICS AND METAL
TECHNICAL DATA
Product Description

AXIS 928 is suitable for a wide variety of applications that require fast cure, flexibility, high adhesion and autoclave resistance. AXIS 928 cures in seconds when exposed to light of the proper wavelength and intensity and achieves excellent adhesion to glass, plastics, and metal. The ability of this product to fluoresce under "black" light facilitates inspection of bonded assemblies for adhesive presence. AXIS 928 was specifically designed for bonding stainless steel cannulae into hubs, syringes and lancets for needle assemblies. The viscosity of this product makes the adhesive well suited for applications where the adhesive will be dispensed in the well after the cannulae and the hub have been assembled. Suitable for use in the assembly of disposable medical devices. 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 928 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

- Needle bonding
- Glass, plastics, metals
- Transducer assembly
- Stainless steel cannulae

FEATURES

- UV/visible light cure
- Blue fluorescing
- Hard tack free surface
- Autoclave resistant

RECOMMENDED SUBSTRATES

- PC
- PVC
- PU
- ABS
- Stainless steel

BIOCOMPATIBILITY

- ISO 10993 cytotoxicity

UNCURED PROPERTIES*

Property	Value	Test Method
Solvent Content	No Nonreactive Solvents	N/A
Chemical Class	Acrylated Urethane	N/A
Appearance	Light Transparent Liquid Gel	N/A
Soluble in	Organic Solvents	N/A
Specific Gravity	1.03	TFTEST002
Viscosity, cps	500-900	TFTEST001

CURED MECHANICAL PROPERTIES*

Property	Value	Test Method
Durometer Hardness, Shore D	74	TFTEST012
Tensile at Break, MPa [psi]	31 [4,500]	N/A
Elongation at Break, %	5	N/A
Modulus of Elasticity [psi]	1,300 [185,000]	N/A

OTHER CURED PROPERTIES*

Property	Value	Test Method
Refractive Index (20°C)	1.53	N/A
Boiling Water Absorption, % (2hr)	2.7	N/A
Water Absorption, % (25°C, 24 hr)	3.9	N/A
Linear Shrinkage, %	2	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 928. Axis 928 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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