

AXIS 966-M

FLEXIBLE THERMOPLASTIC BONDING ADHESIVE

TECHNICAL DATA

Product Description

Medical device adhesive Axis 966-M is designed for rapid bonding of plastics typically used in the manufacture of medical devices. Resin Designs medical device adhesives contain no non-reactive 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 966-M 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	RECOMMENDED SUBSTRATES	BIOCOMPATIBILITY
<ul style="list-style-type: none"> • Needle bonding • Reservoirs • Transducer assembly • Medical potting 	<ul style="list-style-type: none"> • UV/visible light cure • Moisture resistant • Pigmented for placement aid • Flexible 	<ul style="list-style-type: none"> • PMMA • PET • PC • PU • PVC • Stainless steel 	<ul style="list-style-type: none"> • ISO 10993 cytotoxicity

UNCURED PROPERTIES*		
Property	Value	Test Method
Solvent Content	No Nonreactive Solvents	N/A
Chemical Class	Acrylated Urethane	N/A
Appearance	Red Transparent	N/A
Specific Gravity	1.01	TFTEST002
Viscosity @ 25C, cps	700-900	TFTEST001

CURED MECHANICAL PROPERTIES*		
Property	Value	Test Method
Durometer Hardness, Shore D	60-70	TFTEST012
Tensile at Break [psi]	1,300-1,500	N/A
Elongation at Break, %	200-240	N/A
Modulus of Elasticity [psi]	2,500	N/A
Refractive Index (20oC)	1.5	N/A
Boiling Water Absorption, % (2hr)	2.5	N/A
Water Absorption, % (25oC, 24 hr)	1.7	N/A
Optimum Wavelength, Nm	365, 405, 415	N/A

UV LIGHT CURE DATA*		
Property	Value	Test Method
Minimum Intensity, mw/cm2	200	N/A
Spectral Output, Nm	300 to 400	N/A
Optimum Wavelength, Nm	365, 415	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 966-M. Axis 966-M 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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