

**AXIS UV 904-CTH**

**FLEXIBLE CATHETER BONDING ADHESIVE**

**TECHNICAL DATA**

**Product Description**

Axis UV 904-CTH Medical Device Adhesive is designed for rapid bonding of flexible and rigid plastics typically used in the manufacture of catheter and similar medical devices. Resin Designs, LLC 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 UV 904-CTH 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"> <li>Balloon / lumen</li> <li>Hub / lumen</li> <li>Marker band</li> <li>Thermistor potting</li> </ul>	<ul style="list-style-type: none"> <li>UV / visible light cure</li> <li>Flexible</li> <li>Fluorescing</li> </ul>	<ul style="list-style-type: none"> <li>PC</li> <li>PVC</li> <li>PU</li> <li>ABS</li> <li>PEBA</li> <li>PET</li> </ul>	<ul style="list-style-type: none"> <li>ISO 10993 cytotoxicity</li> </ul>

UNCURED PROPERTIES*		
Property	Value	Test Method
Solvent Content	No Nonreactive Solvents	N/A
Chemical Class	Acrylated Urethane	N/A
Appearance	Clear Translucent Liquid Gel	N/A
Viscosity, cps	8,000-14,000	TFTEST001
Specific Gravity	1.01	TFTEST002

CURED MECHANICAL PROPERTIES*		
Property	Value	Test Method
Durometer Hardness, Shore D	55	TFTEST012
Tensile at Break, MPa [psi]	17 [2,500]	N/A
Elongation at Break, %	275-300	N/A
Modulus of Elasticity [psi]	140 [20,000]	N/A

OTHER CURED PROPERTIES*		
Property	Value	Test Method
Refractive Index (20°C)	1.51	N/A
Boiling Water Absorption, % (2hr)	2.7	N/A
Water Absorption, % (25°C, 24 hr)	1.6	N/A
Linear Shrinkage, %	2.1	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 904-CTH. Axis 904-CTH 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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