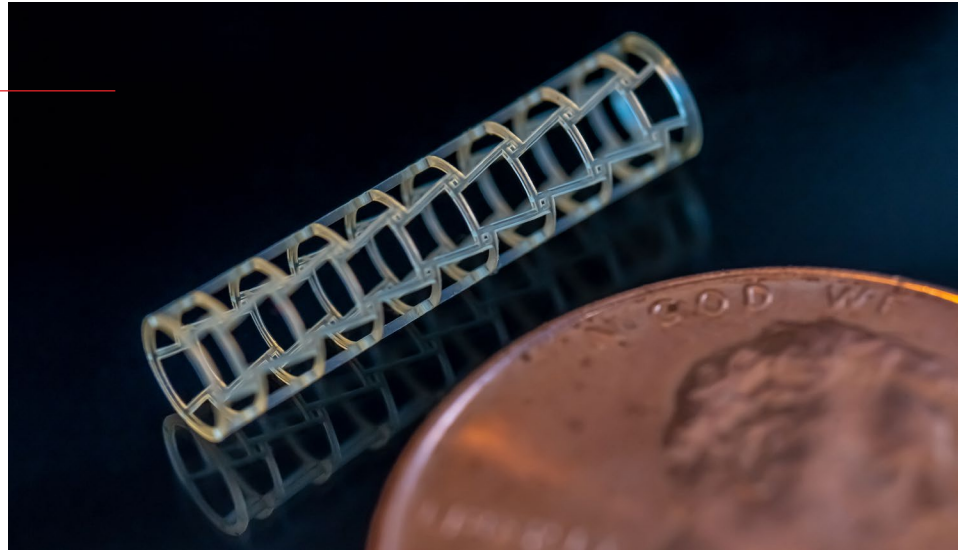


BIO Resin

BIO is a biocompatible resin suitable for non-implantable medical applications. Bio can undergo sterilization and has passed numerous ISO 10993 biocompatibility tests for skin irritation and sensitization, toxicity, cytotoxicity, pyrogenicity, and in vitro hemolysis.



| | | Cured Parts | Standard |
|-------------------------------|------------------------------------|--------------|----------------|
| Tensile Properties | TENSILE STRENGTH | 42 MPa | ASTM D638 |
| | ELASTICITY MODULUS | 1.8 GPa | ASTM D638 |
| | ELONGATION AT BREAK | 2.50% | ASTM D638 |
| Flexural Properties | BENDING STRENGTH | 65 MPa | ASTM D790 |
| | FLEXURAL MODULUS | 2.3 GPa | ASTM D790 |
| Temperature Properties | DISTORTION TEMPERATURE @0.45MPa | 115 °C | ASTM D648 - 07 |
| General Properties | HARDNESS | 80 Shore D | ASTM D785 |
| | VISCOSITY | 20 cP | - |
| | STANDARD COLOR | Yellow trans | - |
| | CELL CULTURE SURVIVAL RATE INVITRO | 75% | - |

¹ Final properties are dependent on print conditions, post-processing operations, and part geometry.

² Test samples were UV cured and heat cured.