service chimie

: 5, place de l'Église
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BIOMATERIALS
IMPLANT LINE

avantor™

MED2-4420

Silicone adhesive

DESCRIPTION

- A two-part, translucent silicone elastomer system
- Cures rapidly at room temperature
- Platinum addition cure
- 1:1 Mix Ratio (Part A: Part B)

APPLICATION

- For use in potting, encapsulating, coating, and injection or transfer molding applications
- For applications requiring very rapid cure elastomer

NuSil™ MED2-4420 may be considered for use in human implantation for a period of greater than 29 days.

PROPERTIES

Typical Properties	Average Result	Standard	NT-TM
Uncured:			
Appearance	Translucent	ASTM D2090	002
Viscosity, Part A	22,000 cP (22,000 mPas)	ASTM D1084, D2196	001
Viscosity, Part B	17,000 cP (17,000 mPas)	ASTM D1084, D2196	001
Work Time	3 minutes	-	008
Cured: 15 minutes at 150°C (302°F)			
Specific Gravity	1.07	ASTM D792	003
Durometer, Type A	20	ASTM D2240	006
Tensile Strength	585 psi (4.4 MPa)	ASTM D412	007
Elongation	500%	ASTM D412	007
Tissue Culture (Cytotoxicity Testing)	Pass	USP <87> ISO 10993-5	061
Elemental Analysis of Trace Metals	Pass	ASTM E305	131

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INSTRUCTIONS FOR USE

Mixing

Combine Part A and Part B in a 1:1 mix ratio prior to use. Airless mixing, metering or dispensing equipment is recommended for production operations. If mixing by hand, take care to minimize air entrapment.

Vacuum Deaeration

Remove air entrapped during mixing by common vacuum deaeration procedure, observing all applicable safety precautions. Slowly apply full vacuum to a suitable container of at least four times the volume of material being de-aired. Hold vacuum until bulk deaeration is complete.

Cure Inhibition

Curing may be inhibited by traces of amines, sulfur, nitrogen oxide, organotin compounds, and carbon monoxide. Because organic rubbers often contain these substances, they should not come in contact with the uncured elastomer. Catalyst residues from silicone RTV elastomers and peroxide-cured silicone elastomers may also inhibit the cure.

Packaging	Warranty
50 mL Side-by-Side Kit 2 Pint Kit (910 g) 2 Gallon Kit (7.28 kg)	12 Months

legality of the use. The user is responsible to meet the requirements of the U.S. Food and Drug Administration (FDA) and any other regulatory agencies. Before handling any other materials mentioned in the text, the user is advised to obtain available product safety information and take the necessary steps to ensure safety of use.