



U.S. Corporate Headquarters
400 Valley Rd.
Warrington, PA 18976
1(800) 523-2575 / (215) 343-6484
1(800)343-3291 fax
info@polysciences.com

Polysciences Europe GmbH
Handelsstrasse 3
D-69214 Eppelheim, Germany
+(49) 6221-765767
+(49) 6221-764620 fax
info@polysciences.de

Polysciences Asia-Pacific, Inc.
2F-1, 207 Tunhwa N. Rd.
Taipei, Taiwan 10595
(886) 2 8712 0600
(886) 2 8712 2677 fax
info@polysciences.tw

TECHNICAL DATA SHEET 904

Page 1 of 1

HV 200 A & B

Silicone Elastomer

DESCRIPTION

HV200A & B is a high strength, silicone elastomer. The product has many useful features. These include: a wide service temperature range of use, good environmental stability and good cured flexibility. These features make HV200 well suited for many sealing and bonding applications. The low cured modulus and durometer of HV 200 allow its use as an encapsulant on sensitive devices.

PRODUCT FEATURES

- High Strength Silicone Elastomer
- Flexible Elastomeric Cure
- Wide Temperature Use Range
- Easy to Use 1:1 Mix Ratio
- Long Work Life, With Rapid Heat Cure
- Translucent and Colorless

TYPICAL UNCURED PROPERTIES

Values Approximate

	HV200A	HV200B	HV200A&B
Color	Clear, Colorless	Clear, colorless	Clear, Colorless
Viscosity, CPS	30K	30K	30K

USAGE

Mix Ratio

	Part A	Part B
By Weight	1	1
By Volume	1	1

CURE CYCLE

@25°C	Pot Life 1 hour; Cure time 24 hours
@60°C	Cure time 60 minutes
@80°C	Cure time 30 minutes
@100°C	Cure time 10 minutes

TYPICAL CURED PROPERTIES

Values Approximate

Appearance	Translucent elastomer
Durometer	30A
Temperature Range of Use	-80°C through 200°C
T _g	<-70°C
Tensile Strength	1.2 MPa
Elongation	150%
Modulus	0.6 MPa
Volume Resistivity	4.2 x 10 ¹³ ohm-cm

APPLICATION

Mix the components together avoiding air entrapment as much as possible. This can be done by adding the components to a small clear bag with a zipper type closure, eliminating the air, sealing the bag and kneading the product together for approximately 2 minutes. A small cut in the corner of the bag can then be used to extrude the mixed product.

The product may also be mixed by weighing the components in a suitable size cup, and inserting a mix blade below the surface. Mixed at low to moderate speed air entrapment will be minimized. If mixed in a cup, allow the mixture to de-air prior to use.

The product can also be mixed by weighing the components in a suitable size cup and rolling until well blended.

STORAGE AND HANDLING

Store at 25°C for up to 12 months

North America (United States)

1 (800) 523-2575 / (215) 343-6484
1 (800) 343-3291 / (215) 343-0214 fax

Europe (Germany)

(49) 6221-765767 / (49) 6221-764620 fax

Asia-Pacific (Taiwan)

(886) 2 8712 0600 / (886) 2 8712 2677 fax

Online anytime at: polysciences.com