

Description BLUESIL™ V-204 is a white, two component, addition cure, heat curing silicone compound. It is designed as a protective coating for light sensitive electronic circuits and devices. BLUESIL™ V-204 is unique in that it is semi-thixotropic for blob-top coating, yet when stirred; it becomes flowable for conformal coating.

Examples of applications • Protective coating for opto-couplers and other light tunnel devices

Key benefits Please consult your local ELKEM SILICONES sales office.

Typical properties

TYPICAL PROPERTIES - AS SUPPLIED	
Part A - Base Component	
Color	White
Consistency	Pourable
Viscosity, cP. (mPa.s)	35,000
Part B – Catalyst Component	
Color	Clear

TYPICAL CATALYZED PROPERTIES	Mixed at 24°C (75°F) and 50% R.H.
Mix Ratio, A:B (Parts by weight)	10:1
Pot Life, Hours ⁽¹⁾	8

TYPICAL PROPERTIES OF CURED RUBBER, Cured 1 hour at 100°C (212°F)		
Property	Test Method	Value
Color		White
Specific Gravity		1.80
Hardness (Shore A)	ASTM D2240	42
CURE SCHEDULE: 30 to 60 minutes at 100-125°C (212-257°F)		

(1) Time at which material gels

Please note: The typical properties listed in this data sheet are not intended for use in preparing specifications for any particular application of BLUESIL™ silicone materials. Please contact our Technical Service Department for assistance in writing specifications.

Please note: The typical properties are not intended for use in preparing specifications. Please contact our local Sales Department for assistance in writing specifications.

Instruction of use

- Mix Part A and Part B components according to recommended weight ratios. If power equipment is to be used, it is generally recommended to keep mixing speed at or below 350 rpm to prevent heat buildup, which can cause loss of working time and premature curing of the rubber. It is recommended that the container be filled to not more than 1/3 the container height to allow sufficient room for expansion during the deaeration procedure.
- For these products requiring deaeration, place mixed material in a vacuum chamber and exert 29 inches Vacuum on the material. Some products will require that the vacuum be interrupted or "bumped" several times before the material crests and falls by itself. After the material has receded, keep the mixed material under full vacuum for a minimum of 15 minutes.

BLUESIL V-204 A/B

Technical Data Sheet n° 1661-V3 – 2019/11/05

Bleed air slowly into the chamber until atmospheric equilibrium is reached. Remove mixed and vacuumed material from the chamber. The material is now ready for pouring.

3. Some Bluestar Silicones Aerospace and Industrial products have a very long mixed pot life. Storing the mixture in a tightly sealed container at 0°F (-18°C) may extend the pot life even longer. Care should be taken when using this method to prevent moisture from condensing on the inside of cold containers and contaminating the mixture.

Regulation Please consult your local ELKEM SILICONES sales office.

Limitations Please consult your local ELKEM SILICONES sales office.

Packaging

- BLUESIL V-204 A is available in
 - Pail of 5 KG (11.03 LB)
 - Pail of 20 KG (44.1 LB)
- BLUESIL V-204 B is available in
 - Box of 0.5 KG (1.1 LB)
 - Bottle of 2 KG (4.41 LB)

Storage and shelf life When stored in its original packaging:
BLUESIL V-204 A may be stored for up to 24 months from its date of manufacturing.
BLUESIL V-204 B may be stored for up to 24 months from its date of manufacturing.
Comply with the storage instructions and expiration date marked on the packaging. Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.

Safety Please consult the Safety Data Sheet of:
BLUESIL V-204 A and BLUESIL V-204 B

Visit our website www.silicones.elkem.com

Warning to the users

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products. ELKEM SILICONES guarantees that its products comply with its sales specifications. This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for given use. Determination of the suitability of product for the uses and applications contemplated by users and others shall be the sole responsibility of users. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorisations. Users are requested to check that they are in possession of the latest version of this document and ELKEM SILICONES is at their disposal to supply any additional information.