



BOSS[®] 568

TECHNICAL DATA

Basis	Polysiloxane
Consistency	Stable paste
Curing system	Moisture curing
Density@23 °C (g/ml)	1.7±0.1
Skin Formation Time* (23°C/45-55% R.H.) (min)	3-10
Curing Rate * (23°C/45-55% R.H.) (mm/24hours)	2.4-3
Durometer Hardness, Shore A, Points** (ISO 868)	60-80
Tensile Strength** (N/mm ²) (ISO 37)	≥2.0
Elongation** (%) (ISO 37)	>300
Thermal Conductivity (W/m.k)	≥1.0
Volume Resistivity (Ω -cm)	≥1X10 ¹⁴
Dielectric Strength (KV/mm)	≥15
Service Temperature** (°C)	-60 to +200

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

** This information relates to fully cured product.

Description

BOSS[®] 568 is a high-quality, neutral, elastic, one-component dealcoholization silicone sealant. Developed for sealing high-temperature components in various industrial applications, it is used for heat dissipation and fixing electronic components.

Properties

- Easy extrusion, user-friendly
- Primer-free adhesion to diverse substrates
- Non-corrosive & Low odour
- Excellent weathering resistance
- Excellent electrical insulation properties
- The flame retardant grade reaches UL94V-0

Applications

- Sealing and bonding of electrical & electronic components.
- Sealing & bonding mechanical joints on wide variety of substrates

Packaging

Colour: White

Packaging: 300 ml & 2600 ml.

Shelf life

9 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +30°C.

Substrates

Substrates: Aluminum stainless steel, iron, copper, glass, plastics.

Nature: rigid, clean, dry, free of dust and grease.

Surface preparation: BOSS[®] 568 has a good adhesion to most substrates. However, for optimal adhesion and in critical applications, we recommend a preliminary adhesion test on any substrate.



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Application method

Applying the material: BOSS[®] 568 Industrial silicone is supplied ready-to-use. Under pressure, it flows readily from its container. The paste-like consistency makes it easy to work; a spatula or wooden paddle can be used for tooling the surface. The cure progresses inward from the surface. At conditions of at least (23°C) and 50% relative humidity, the sealant forms a tack-free skin in 30 minutes. Tooling is not practical after this skin begins forming, and should be completed within 3-10 minutes of application, even though this may require alternate periods of applying and tooling. Likewise, if masking tape has been used to mark off an area, it should be removed before the skin forms.

Health- and Safety Recommendations

DIRECT CONTACT OF UNCURED SEALANT IRRITATES EYES AND MAY IRRITATE SKIN. OVEREXPOSURE TO VAPOUR MAY IRRITATE EYES, NOSE, AND THROAT. Avoid eye and skin contact. Use with adequate ventilation. Do not handle contact lenses with sealant on hands. IN CASE OF EYE CONTACT, flush eyes with water for 15 minutes. Obtain medical attention. IN CASE OF SKIN CONTACT, remove from skin and flush with water. KEEP OUT OF THE REACH OF CHILDREN.

Disclaimer: This technical data sheet replaces all previous versions. The directives contained within this documentation are the result of our experiments and experience, and have been submitted in good faith. Because of the diversity of the materials and substrates, in addition to the great number of possible applications that go beyond our control, we cannot accept any responsibility for the results obtained. Further, since the design, quality of the substrate, and processing conditions are beyond our control, no liability under this publication will be accepted. In every case, it's therefore recommended to carry out preliminary experiments. BOSS reserves the right to modify its products, without prior notice.

Accumetric Silicones Pvt Ltd

No. 16/1, Corporation Road, Seevaram, Perungudi,
Chennai - 600 096, Tamil Nadu, India.
Customer Support: +91 44 4026 0345 - 60
indiasales@bossproducts.com
www.bossproducts.in