

# Technical Data Sheet

## FeedBond<sup>®</sup> BP-2000-SRB9

### *Silicone Base Adhesive*

**Description:**

**FeedBond<sup>®</sup>BP-2000-SRB9** is a black, one component, thermally curable, addition curing silicone rubber.

**Application Package:**

Liquid encapsulation resin

**Characteristics:**

- One component liquid type.
- High capability of thermal resistance.
- Applied shape is well maintained.
- medium hardness
- High flexibility

UNCURED PROPERTIES		TEST DESCRIPTION	TEST METHOD
Appearance	Black	Visual	FT-P001 FT-P006 FT-P008  FT-P024 FT-P018
Density	1.12 g/cc	Pycnometer	
Viscosity @ 25°C	24000cps	Brookfield DV-III/CP-51 @ 5rpm	
Thixotropic Index @ 25°C	4.6	Brookfield DV-III/CP-51 Visc. @ 0.5rpm/Visc. @ 5rpm	
Spacer size	25um		
Work Life @ 25°C	24hrs	25% increase in visc. @ 5rpm	
Shelf Life@ 0±10°C	6months		
CURE CONDITION		TEST DESCRIPTION	TEST METHOD
Standard Cure Condition		130°C/60 min in oven	
		150°C/20 min in oven	

These figures are only intended as a guide and should not be used in preparing specifications.

**FeedBond® BP-2000-SRB9**

PHYSIOCHEMICAL PROPERTIES	TEST DESCRIPTION	TEST METHOD
Hardness Shore A 50	Durometer Shore A	FT-P037
Coefficient of Thermal Expansion(°C) $34.5 \times 10^{-5}$	TMA	FT-M016
Storage Modulus @25°C 3.22MPa @150°C 4.53MPa @250°C 4.75MPa	Dynamic Mechanical Thermal Analysis using <1.6mm thick specimen	FT-M019A
ELECTRICAL PROPERTIES	TEST DESCRIPTION	TEST METHOD
Thermal conductivity 0.17W/mK	Hot Disk	FT-P022

**Instruction**

All surfaces must be clean and free of contaminants that will inhibit the cure of BP-2000-SRB9.

Examples of inhibiting contaminants are sulfur containing materials, plasticizers, urethanes, amine containing materials and organometallic compounds – especially organotin compounds.

If a substrate's ability to inhibit cure is unknown, a small scale test should be run to determine compatibility.

**Thawing**

Place the container to stand vertically for 60mins. **DO NOT** open the container before adhesive reaches ambient temperature to prevent the moisture condensation. Any moisture that collects on the thawed container should be removed prior to use. Adhesives that appear to have separated should not be used.

**Storage**

Adhesive should be stored @ $0 \pm 10^\circ\text{C}$ . The shelf life of the material is only valid when the material has been stored at the correct storage condition.

**Availability**

FeedBond® adhesives are packaged in syringes or pots per customer specification. For the details, please contact our Customer Service or sales department.

**Note**

This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentation. It is not intended, however, to substitute for any testing you may need to conduct and to determine the suitability of our products by yourself for your particular purposes. This information may be subject to revision as new knowledge and experience become available. Since we cannot anticipate all variations in actual end-use conditions, Feedpool makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.