

TECHNICAL DATA SHEET

PRODUCT : "BULLDOG BOND 888"

RTV SILICONE SEALANT - NEUTRAL CURE CLEAR



PRODUCT DESCRIPTION

"BULLDOGBOND 888" RTV Silicone Sealant- Neutral Cure- Clear is high quality neutral cure silicone sealant with excellent gap filling properties, low odour and high temperature resistance. It is ideal for electrical and electronic industries for component masking, in industrial application such as sealing of ovens, pumps, sheds and also where good heat and chemical resistance is required. It is good for use in closed spaces, owing to its low odour and low toxicity.

COMPOSITION

Prepolymer of Silicone Rubber, RTV Silicone sealant cures at room temperature in the presence of atmospheric moisture to form high quality silicone rubber.

APPLICATION AREAS

In electrical and electronic industry for potting and masking, in industry for various applications where low odour, good joint elongation and high temperature properties are required of the sealant. For industrial applications where good durable sealing properties are required with long life. Also useful in machinery panels where sealant will not be seen, because of its transparent nature.

DIRECTIONS FOR USE

In electronic industries in potting, fully cover the components which require to be concealed and excluded from moisture dirt etc. with the sealant. Otherwise fill gaps as required and apply a bead of 3 - 5mm as required to seal gaps. Sealant will dry in less than 60 minutes and full cure occurs in 24 hrs.

CLEANUP

Removal from body and parts can be done in the uncured state with cotton waste dipped in toluene. Cured sealant can be cut with a sharp tool.

DISCLAIMER

The information contained herein is given in good faith, based on our tests & knowledge of the product; as a guide. The responsibility is of the user to verify its usability for any application. The company, The Standard Products Mfg. Co. Mumbai, disclaims all warranties expressed or implied and takes no responsibilities for any loss or damage arising from the use of its products.

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PROPERTIES OF THE UNCURED MATERIAL

Chemical Nature	:	RTV Silicone Sealant - Neutral Cure
Colour	:	Clear
Odour	:	Slight (ketoxime) odour. No solvent release
Relative Density	:	0.97 - 1.02
Extrudability	:	Easily extruded from tubes, cartridges / sausages Rate >320 g/ml
Sag / Slump	:	None
Flammability	:	Non - flammable
Shrinkage	:	Negligible
Skin formation time	:	6 -10 s
Full Cure time	:	24 hrs (Bead of 5mm/25 C/RH-50%)
Shelf Life	:	18 months in Aluminium Tubes 9 months in Plastic Cartridges or Sausages.

PROPERTIES OF THE CURED MATERIAL

Consistency	:	Rubbery Solid
Hardness (Shore A)	:	12 - 16
Elongation	:	> 250%
Tensile Strength	:	200-300 psi / 15-20 kgs/cm ² 1.5 -2.0 MPa (N/mm ²)
Application Temperature Range	:	10°C to 50°C
Service Temperature	:	30°C to 300°C 343°C (intermittently)
Adhesive Properties	:	Fairly good, adhesion to metals / glass and other materials as above
Compatibility	:	Extremely compatible with most normal engineering and construction material such as metals, glass, brick work, concrete etc.
Resistance to Atmospheric Conditions, Ozone & UV	:	Excellent
Durability / Life	:	10 years under normal Working condition specified
Expendancy	:	Cannot be painted upon
Removability	:	Easily removed by cutting

SAFETY INSTRUCTION

1. Keep away from children.
 2. Avoid excessive contact with body.
- Clean with plenty of water in case of eye contact.
3. Cannot be ingested. Lethal if ingested.
 4. Do not induce vomiting, in case of ingestion. Consult a physician immediately.
 5. Low odour may be present in closed spaces. Provide ventilation.