



Fast Cure, Non-corrosive Silicone Adhesive Sealant

TE131 (S)-C

DESCRIPTION

TE131(S)-C is a one-component, fast cure, non-corrosive silicone adhesive sealant that cures on exposure to atmospheric moisture to form an elastic silicone rubber. TE131(S)-C is easily pourable and has excellent corrosion-free adhesion to metals, including copper, plastics, ceramics, glass, etc without the use of primers.

KEY FEATURES

- ▶ Non-corrosive to metals: meets MIL-A-46146B corrosion test
▶ Fast room temperature cure
▶ Low odor: releases an alcohol vapor during cure
▶ Primerless adhesion to many substrates
▶ Excellent high and low temperature resistance: from -55°C to 200°C
▶ Excellent weatherability, ozone, and chemical resistance
▶ Excellent electrical insulation properties
▶ Simple and easy-to-use one-component system

APPLICATIONS

- ▶ Insulating coating and potting for transistor and high-voltage parts
▶ A waterproof coating for electrical, electronic and communication equipment
▶ Non-corrosive coatings for electronic and integrated circuits and semiconductors, copper connections on electric parts assemblies.
▶ General adhesion for metals, glass, plastic, etc

TYPICAL PROPERTY DATA

(JIS K 6249)

Table with 2 columns: Property Name and Value. Section: BOFORE CURING. Rows include Appearance (Flowing paste), Colours (Clear), Cure Type (Alcoxy), Specific Gravity at 25°C (g/ml) (standards ISO R 1183,DIN 53479,NMRPS 703) (1.0096), Flowability (mm\*mm/10g) (63\*63), Viscosity (cs) (45209).

Table with 2 columns: Property Name and Value. Section: CURING. Rows include Tack-free Time (min) (23°C, 50%) (15'), Cured thickness after 48h (mm) (23°C, 50%) (3.13).



## TE131(S)-C

CURED PRODUCT	
Specific Gravity at 25°C (g/ml) (standards ISO2781,ASTM D297,BS 903 Part A1)	1.0096
Shore A hardness (Standards ISO R868,DIN 53505,ASTM D 2240, BS 903 Part A7,NFT 46003,NMRPS 471)	18~19
Tensile Strength (kg.f/cm <sup>2</sup> ) (Standards ISO R37(H2),DIN 53504,ASTM D 412, BS903 Part A2,NFT 46002(H2),NMRPS 470)	10.4
Elongtion at break (%) (Standards ISO R37(H2),DIN 53504,ASTM D 412, BS903 Part A2,NFT 46002(H2),NMRPS 470)	408.4
Dielectric strength (KV/mm) (standards NF C 26225,ASTM D 419,IEC 243)	22
Dielectric constant at 1 MHZ (standards NF C 26230,ASTM D 150,IEC 250)	3.6
Power factor at 1 KHZ (standards NF C 26250,ASTM D 150,IEC 250)	1.99x10 <sup>-3</sup>
Volume resistivity,Ω.cm (standards NF C 26215,ASTM D 257,IEC 93)	1x10 <sup>15</sup>

\* Testing is performed in accordance with current EST material test methods, laboratory

\* Typical property data values should not be use as specifications

## SPECIFICATION

Typical product data values should not be used as specification. Assistance and specification are available by contacting YanTai E.S.T. silicone technogy co.,LTD

## HANDLING AND SAFETY

When solvent are used, proper safety precautions must be considered toxic and must be used only in well ventilated areas.

## USABLE LIFE AND STORAGE

When stored at or below 25°C (77°F) in the original unopened containers, this product has a usable life of 12 months from the date of manufacture.



CAUTION!	HANDLING PRECAUTIONS	FIRST AID MEASURES
<p>1.FOR INDUSTRIAL USE ONLY</p> <p>2.This product is neither terted nor representde as suitable for medical or pharmaceutical uses.</p> <p>3.Do not use this product for other than its intended use,or user shall bear responsibility for any problems.</p>	<p>1.Wear suitable protective goggles, respirator and gloves.</p> <p>2.Use only where an adequate ventilation system is available to sxhaust poisonous gases.</p> <p>3.After handling,wash face and hands very thoroughly.</p> <p>4.Keep out of reach of children.</p> <p>5.Store in a cool,dark and dry place.</p>	<p>1.Inhalation:Remove to fresh air and get medical attention immediately.</p> <p>2.Eye contact:Immediately flush eyes with plenty of water for at lest 15minutes.Get medical attention immediately.</p> <p>3.Skin contact:Immediately flush skin with plenty of soop and water for at least15minutes.Get medical attention immediatly.</p> <p>4.Ingestion:Induce vomiting and get medical attention immediately.</p> <p>5.See material safety data sheet.</p>