



# TE111(F10)

## DESCRIPTION

TE111(F10) is a one-component, oxime cure, flowable type of silicone adhesive sealant, which cures at room temperature with moisture in the air. TE111(F10) has a pourable consistency and excellent adhesion to metals, plastics, ceramics, glass, etc without the use of primers.

## KEY FEATURES

- ▶ Primerless adhesion to many substrates
- ▶ Neutral cure; Little risk of corrosion (corrosion to copper and copperalloys)
- ▶ Excellent high and low temperature resistance; from -35°C to 200°C
- ▶ Excellent weatherability, ozone, and chemical resistance
- ▶ Excellent electrical insulation properties
- ▶ Simple and easy-to-use, one component system

## APPLICATIONS

- ▶ A waterproof sealant, as well as potting, for electrical and communication equipment
- ▶ Air-tight sealants for meters to keep out water and dust
- ▶ Sealing and potting to equipments which require cold and heat resistance
- ▶ Coating for electronic and integrated circuits and semiconductors
- ▶ General adhesion for metals, glass, plastic, wood, etc

## TYPICAL PROPERTY DATA

(JIS K 6249)

BOFORE CURING	
Appearance	Flowing paste
Colours	Clear
Cure Type	Oxime
Specific Gravity at 25°C (g/ml) (standards ISO R 1183, DIN 53479, NMRPS 703)	0.9796
Flowability (mm*mm/10g)	75*75
Viscosity (cps)	22555

CURING	
Tack-free Time (min) (23°C, 50%)	5
Cured thickness after 48h (mm) (23°C, 50%)	4.86



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CURED PRODUCT	
Specific Gravity at 25°C (g/ml) (standards ISO2781,ASTM D297,BS 903 Part A1)	0.9796
Shore A hardness (Standards ISO R868,DIN 53505,ASTM D 2240, BS 903 Part A7,NFT 46003,NMRPS 471)	11
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)	6.5
Elongtion at break (%) (Standards ISO R37(H2),DIN 53504,ASTM D 412, BS903 Part A2,NFT 46002(H2),NMRPS 470)	368.9
Dielectric strength (KV/mm) (standards NF C 26225,ASTM D 419,IEC 243)	20
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)	1.98x10 <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 technoogy 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>