



Insulation & Water Proof Silicone Adhesive Sealant

TE2355

DESCRIPTION

TE2355 is a 1-part silicone product used for the insulation of electronic parts, for water-proofing, and for potting for dust protection, and it is a low-viscosity product whose cure proceeds by combining with moisture in the air at normal temperatures. With this 1-part product you can proceed with potting/molding jobs with only a 1-part dispenser or an auxiliary container without the need of 2-part equipments that should mix the curing agent. This product exerts excellent adhesive power to most foundations such as plastic, glass, metal and PCB boards without the help of extra primer, so that you can expect excellent damp-resistant and water resistant effects.

KEY FEATURES

- ▶ Potting for damp-resistance and water-proofing of minute electronic parts.
- ▶ Insulation and protective coating of various circuit boards.
- ▶ Potting/molding of parts wherever the adhesion is necessary.
- ▶ Water resistant coating of electric and communication equipments.
- ▶ Water resistant potting of LED Display Modules and pixels.

APPLICATIONS

- ▶ As it is a flowing product, it is suitable for molding intricate electronic parts.
- ▶ As this is of 1-part, the job is easy without the need of expensive extra equipments.
- ▶ Has excellent impact resistance as it changes to a soft rubber state after curing.
- ▶ Preserves the long life span of the applied electronic parts because it has excellent heat resistance, damp-resistance and freezing resistance.
- ▶ Exerts excellent adhesive power to most foundations without the help of primer.
- ▶ Preserves the electric characteristic of parts for a long time as it has excellent freezing resistance, chemical resistance, ozone resistance and weather resistance.

TYPICAL PROPERTY DATA

(JIS K 6249)

BOFORE CURING	
Appearance	Flowing paste
Colours	Black
Cure Type	Oxime
Specific Gravity at 25°C (g/ml) (standards ISO R 1183,DIN 53479,NMRPS 703)	0.98
Flowability (mm*mm/10g)	150*150
Viscosity (cps)	845

CURING	
Tack-free Time (min) (23°C, 50%)	60
Cured thickness after 48h (mm) (23°C, 50%)	3.55



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CURED PRODUCT	
Specific Gravity at 25°C (g/ml) (standards ISO2781,ASTM D297,BS 903 Part A1)	0.98
Shore A hardness (Standards ISO R868,DIN 53505,ASTM D 2240, BS 903 Part A7,NFT 46003,NMRPS 471)	6
Tensile Strength (kg.f/cm²) (Standards ISO R37(H2),DIN 53504,ASTM D 412, BS903 Part A2,NFT 46002(H2),NMRPS 470)	5
Elongtion at break (%) (Standards ISO R37(H2),DIN 53504,ASTM D 412, BS903 Part A2,NFT 46002(H2),NMRPS 470)	150
Dielectric strength (KV/mm) (standards NF C 26225,ASTM D 419,IEC 243)	21
Dielectric constant at 1 MHZ (standards NF C 26230,ASTM D 150,IEC 250)	3.5
Power factor at 1 KHZ (standards NF C 26250,ASTM D 150,IEC 250)	1.98×10^{-3}
Volume resistivity,Ω.cm (standards NF C 26215,ASTM D 257,IEC 93)	1×10^{15}

* 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 technooogy 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 tested nor represented 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 exhaust 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 least 15minutes.Get medical attention immediately.</p> <p>3.Skin contact:Immediately flush skin with plenty of soap and water for at least 15minutes.Get medical attention immediately.</p> <p>4.Ingestion:Induce vomiting and get medical attention immediately.</p> <p>5.See material safety data sheet.</p>