

SSC-2875

Single Component Transparent Silicone Sealant Adhesive

SSC-2875 is a single component transparent room temperature curing silicone sealant adhesive with excellent wide range temperature resistance (-40 to 150°C) in long-term elasticity and stability. SSC-2875 is also formed to have better ultraviolet, aging resistance. Other environmental factors such as moisture, vibration, corona or chemicals are well prevented by this material. Furthermore, SSC-2875 has good insulating properties make it ideal in various applications. Meet intertional standards: RoHS, RECH certified.

RECOMMENDED APPLICATIONS

- Moisture & water proof layer/ sealing
- Insulating coating layer of various circuit boards
- Waterproof coating of electrical and communication equipment
- Waterproof layer for LED Display
- Bonding or sealing for electronics components, modules, photoelectric displays and PCBs

TYPICAL UNCURED PROPERTIES

Properties	Values	Testing Method
Appearance	Liquid	Visual
Color	Transparent	Visual
Viscosity	120 ± 20cps	GB/T 2794-1995
Solid Content	>50%	
Shelf life at RT	6 months	

APPLYING PROCESS

- Surface Preparation

Surfaces should be clean, dry and grease-free before applying the adhesive. Use a suitable solvent (such as acetone or isopropanol) for degreasing of surfaces. Some metals such as aluminium, copper and its alloys will benefit from light abrasion with emery cloth (or similar), to remove the oxide layer. Plasma Surface Treatment can also be considered if needed.

- Applying

Unscrew the hose cap, squeeze the materials to the cleaned surface and make it natural flow.

CURING

Put the sealed parts in the air, the materials will react with moisture in the air. The reaction will happen from the surface to internal material until the applied material is completely cured.

Recommended curing conditions are: Room Temperature at 25°C with 55% relative humidity. Within 24 hours, the material will be cured 2~4 mm depth. The curing depth will be gradually increased over time. 6mm gap sealant completely cures in more than 7 days.

TYPICAL CURED PROPERTIES

Dry Schedule (mins)	5 - 15	GB/T 13477.5-2002
Volume Resistivity (ohm.cm)	1.0*10 ¹⁴	GB/T 1692-2008
Surface Resistivity (ohm)	1.0*10 ¹⁴	GB/T 1692-2008
Dielectric Constant (MHz)	≤3.5	GB/T 1693-2007
Dielectric Strength (kV/mm)	18	GB/T 1693-2005
Dielectric Dissipation Factor (MHz)	0.35	GB/T 1693-2007

Test conditions: 25°C at room temperature, 55% relative humidity, and 7 days after complete curing.

PACKAGING AND AVAILABILITY

SSC-2875	4kg/ barrel
SSC-2875	5L/ barrel
SSC-2875	2600mL/ barrel

STORAGE & TRANSPORTATION

This product should be stored in a cool and dry room temperature to keep the shelf life of 6 months.

The unused glue should be tightened with the cap and stored according to directions.

When used again, if there is a little remaining material on the seal, please remove then use normally.

This product is non-dangerous good and can be transported as general chemicals.

The data contained in this bulletin is provided only as a guide for evaluation/consideration. These material characteristics are typical properties that are based on a limited number of samples tested in the laboratory. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any product or method. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide.