

### 9661 Features

- \* One component, room temperature cure.
  - \* Excellent adhesion to typical PV substrates, including anodized aluminum, PPO, glass, TPT/TPE series backsheets, etc.
  - \* Excellent resistance to durability tests.
- Thermal cycle test: -40~85 °C/200 cycles,  
Damp-heat test: 85 °C/85 °C/1000h
- \* UL 94HB.

### APPLICATIONS

Used for PV modules frame sealing, junction box adhesion and rail bonding.

### General properties

#### Ingredient information

Chemical Name	% (w/w)
Hydroxy-terminated polydimethylsiloxane	30-45
Polydimethylsiloxane	1-10
Calcium carbonate	40-55
Methyltrimethoxysilane	1-5

#### Before curing

Item	Typical
Color	White/black
Density (g/cm <sup>3</sup> ) (GB/T13354-1992)	1.45
Working time (25 °C, 50%RH) (GB/T13477.5)	5min
Extrusion rate (g /15s) (0.5MPa, 25 °C, 3mm)	8

#### After total curing

Item	Typical
Tensile strength (MPa) (GB/T528-2009)	2.6
Elongation break (%) (GB/T528-2009)	400
Shear strength (MPa) (GB/T7124-2008)	1.5
Tear strength (KN/m) (GB/T528-2009)	15

Hardness (shore-A) (GB/T531-2008)	45
Volume resistivity (Ω.cm) (GB/T1692-2008)	1.0 × 10 <sup>15</sup>
Dielectric strength (KV/mm) (GB/T1695-2005)	20
Working temperature (°C)	-60~200

### HOW TO USE

#### Substrate Preparation

All surfaces must be clean and dry.

#### Dispensing process

Match pneumatic dispenser or machine to meet dispensing process.

#### Cure time

After skin formation, cure continues inward from the surface. In 24 hours (at room temperature and 50% relative humidity), 9661 will cure to a depth of about 2~4mm.

#### Storage

Keep the container tightly sealed when not in use.

### Cautions

- 1, Far away from children by storage.
- 2, In case of contact with skin, wash with water.
- 3, If accident contact with eyes, flush with plenty of water immediately.
- 4, Proposed use in a well ventilated place.
- 5, Product safety information refer to MSDS.

### Packaging

Ordering code: SHANGHAI

966104, 310ml/ cylinder, 25 cylinder /box.

966108, 20kg/pail, 1pail/box.

966109, 230kg/pail, 2pail/box.

966111, 275kg/pail, 2pail/box.

### Storage conditions

Shelf life is 6 months under dry and cool place between 8-28 °C.