



Mishri
ADHESIVE TECH

SOLAR SILICONE PV MODULE SEALANT & POTTING SOLUTIONS

COMPANY OVERVIEW:

Solar Silicone Sealant by Mishri Adhesive Tech

Mishri Adhesive Tech is the marketing partner of Beijing Comens New Materials Co., Ltd., a leading Chinese company established in 1999 that specializes in the research, development, production and sales of composite adhesive materials and functional materials used in industries such as packaging, transportation, building materials and photovoltaic new energy, and is listed on the Shenzhen Stock Exchange.

This positions Mishri Adhesive Tech as a key representative promoting Comens's advanced adhesive solutions in its target markets.

OUR VISION :

To become a leading force in innovative and sustainable silicone and adhesive solutions, delivering superior quality products that enhance efficiency, durability, and long-term performance for customers across diverse industries.

OUR PRODUCT : SOLAR SILICONE SEALANT :

At Mishri Adhesive Tech, we understand the importance of durability and efficiency in solar energy applications. Our Solar Silicone Sealant & Potting Solutions are specially designed for solar panel installations, PV module bonding, aluminium frame bonding, junction box bonding, TPT & TPE back film bonding, and adhesive sealing applications.

These advanced silicone solutions ensure a long-lasting, high-performance bond capable of withstanding extreme weather conditions, UV exposure, temperature fluctuations, and harsh outdoor environments. Our products provide reliable sealing and structural integrity, helping to enhance the performance, safety, and lifespan of solar energy systems.

KEY FEATURES:

- **High Durability:** Excellent weather and UV resistance ensures long-lasting protection in outdoor and solar applications.
- **Temperature Resistance:** Performs reliably in both high and low temperatures, maintaining flexibility and bond strength in extreme climates.

- **Eco-Friendly:** Manufactured using sustainable practices and non-toxic materials, safe for the environment and end users.
- **Waterproof & Leakproof:** Forms an impermeable seal that prevents moisture penetration and protects solar components.
- **Fast Curing:** Enables quick installation with minimal downtime, improving project efficiency.(Under standard conditions: 25°C, 50% RH) (7110W: Initial curing within 4 hours; full curing in 7 days.) (7360W: Gelation within 60 minutes; full curing in 7 days.)
- **Packaging Options:** Available in 600 ml sausages,270 kg & 290 kg drums in Grey, White, and Black colors.
- **Strong Dealer Network:** Well-established distribution across India with 5 branch offices in major states.
- **Wide Application Range:** Suitable for solar panel installations, rooftop systems, and various photovoltaic bonding and sealing applications.

TECHNOLOGY AND MANUFACTURING EXCELLENCE:

At Beijing Comens New Materials Co., Ltd., technology-driven innovation forms the foundation of our growth. Established in 1999, Comens has developed into a high-tech enterprise specializing in the research, development, production, and sales of advanced composite adhesives and functional materials.

The company operates modern, fully automated manufacturing facilities equipped with advanced production lines and precision quality-control systems. With strong R&D capabilities and dedicated technical teams, Comens continuously develops high-performance adhesive solutions tailored to industries such as photovoltaic energy, flexible packaging, transportation, and construction.

Strict quality management systems and standardized production processes ensure that all products meet international performance and safety standards. Continuous investment in innovation enables Comens to remain at the forefront of material science and adhesive technology.

MARKET PRESENCE:

Comens has established a strong presence in both domestic and international markets, serving leading manufacturers across multiple industries.

- Photovoltaic & New Energy: Supplying high-performance adhesives for solar module lamination, junction box bonding, and renewable energy applications.
- Flexible Packaging: Providing advanced polyurethane adhesives widely used in food and industrial packaging solutions.
- Transportation & Automotive: Delivering structural and functional adhesive solutions for modern mobility applications.
- Construction & Industrial: Offering reliable bonding and sealing materials for demanding industrial environments.

With a robust distribution network and strategic global partnerships, Comens continues to expand its international footprint while maintaining its position as a trusted and innovative materials solutions provider.

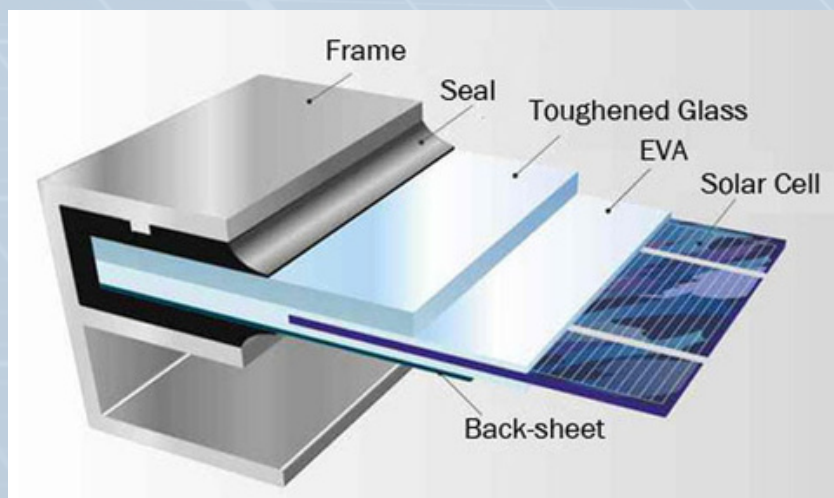
Solar Silicone sealant

DESCRIPTION

Flexibond 7110W is a non-flowing, single component deoxime silicone RTV adhesive sealant, suitable for bonding and sealing of solar panel frames.

ADVANTAGES

- OnecomponentRTVwith good thixotropy
- Shorttack free time and fast curing speed
- Excellent adhesion performance
- Excellent weather and UV resistance
- Excellent dielectric properties
- ComplywithRoHS/REACH



CHARACTERISTICS

Item	Value
Before cure (Temperature $23 \pm 2^{\circ}\text{C}$, relative humidity $50 \pm 5\% \text{RH}$)	
Appearance	White paste
Extrusion rate (g/min)	30-130
Density (g/cm ³)	1.45-1.53
Tack-free time (min)	5-15
Rate of cure (mm/24h)	≥ 2.0
After cure (Temperature $23 \pm 2^{\circ}\text{C}$, relative humidity $50 \pm 5\% \text{RH}$, after 7 days cure)	
Shore A hardness	40-60
Tensile strength (Mpa)	≥ 2.0
Elongation at break (%)	≥ 220
Shear strength (Mpa)	≥ 1.5
Breakdown voltage strength (kV/mm)	≥ 18
Volumetric resistivity ($\Omega\text{-cm}$)	$\geq 0.5 \times 10^{15}$
Flame retardant rating	94-HB

Note: extrusion rate testing condition: the inner diameter of nozzle is $(4 \pm 5\%) \text{mm}$, pressure is $(0.20 \pm 0.01) \text{Mpa}$

APPLICATION

- SolarPVmodule frame and junction box bonding and sealing
- Electronic components, circuit boards, sensors and instruments bonding, sealing and reinforcement
- Powermodules and new energy battery modules bonding and sealing

PROCESS

Cleaning:

Clean surface with solvent, such as, alcohol, acetone, methyl ethyl ketone, etc.to ensure the substrates surface is cleared thoroughly.

Application of sealant:

Cut nozzle to right shape and size according to the different application demand. Apply the sealant to the surface of the well cleaned substrates, then cover the other side where need to be bonded. The application site needs to be well ventilated.

Storage:

This product is non-dangerous, can be stored and transported as normal chemical.

NOTICE

Be away from light and high heat and stored in a cool and ventilated place. Used only in well-ventilated areas and avoid contact with eyes and skin. If eyes contact with the sealant, wash with water and seek medical attention immediately. In case of contact with clothes and skin, soak in warm water for a while and then it will remove. Keep away from children. Please refer to the product MSDS for details.

PACKAGING

270kg/290kg Drum

400ml/600ml cartridge, 24pcs/box

STORAGEANDSHELFLIFE

This product is recommended to be stored below 25°C and 70%RH humidity
Shelf Life: 12 months

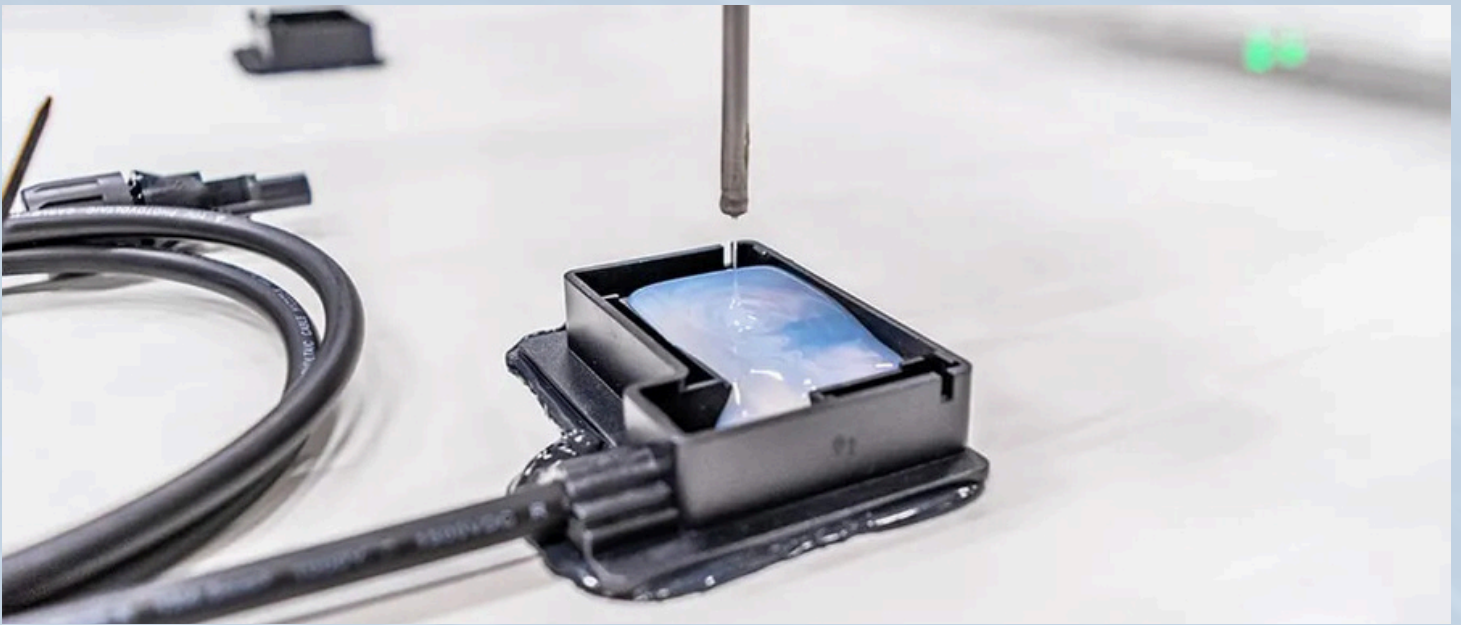
Silicone Potting Adhesive

DESCRIPTION

Flexibond7360W is a two-component room temperature condensation dehydrated silicone potting adhesive, which is suitable for potting protection of electronic capacitor products in photovoltaic junction box. Mixed in the ratio of A:B=6:1 (quality ratio), it will generate a protective material with good elasticity after curing.

ADVANTAGES

- Strength adhesion to junction boxes, backplanes, electronic components, and PC plastics
- Lowviscosity, good fluidity, can be poured into narrow gaps
- Smallshrinkage during curing, better water-proof and moisture-proof performance
- Curingatroomtemperature, good self-defoaming performance, easy to apply
- Excellent insulation performance, high flame-retardant level
- Goodanti-aging performance, can maintain good elasticity for a long time at-40 ~ 150 °C



CHARACTERISTICS

Item	Value
A component appearance	White liquid
B component appearance	Transparent liquid
A component viscosity(mPa·s)	5000-8000
B component viscosity(mPa·s)	50-300
A.B mixing ratio (quality ratio)	6:1
Viscosity after mixing(mPa·s)	3000-6000
Tack-free time (min)	10-40
Initial curing time (h)	≤2
Density (g/cm)	1.20 -1.25
Shore A hardness	20-50
Heat conductivity(W/m·K)	≥0.2
Breakdown voltage strength (kV/mm)	≥18
Volumetric resistivity (Ω·cm)	≥1.0×10 ¹⁴

APPLICATION

Widely used in the potting and protection of photovoltaic junction boxes, precision electronic components, electronic modules, electrical modules, lighting appliances, power supplies and circuit boards.

USING INSTRUCTIONS

1. Weight A and B in the ratio of 6:1 quality, then mix and stir well, pour the well mixed adhesive into the product within the operation time, it can be poured several times if the product is too large, and then cure according to the curing conditions referring to the above table.
2. Precipitation will occur if the adhesive is stored for too long time. It is necessary to stir components A and B separately before mixing. Unmixed adhesive should be sealed and stored well in package, especially component B.
3. When stirring, please stir in the same direction, otherwise too many air bubbles will be mixed in; the adhesive on the frame and bottom of the container should also be stirred evenly, otherwise there may be local uncured phenomenon.
4. Vacuumize and defoam again after potting on the product, which can improve the comprehensive performance of the adhesive after curing.
5. The curing speed of this product will change due to the difference in temperature and humidity. After receiving the samples, please test the curing speed in advance to meet the on-site process.
6. Please consult our technical staff for product characteristics and production process suggestions when use this series of products for the first time.

USING INSTRUCTIONS

12kg/Pail 2kg/Jug

STORAGEANDSHELFLIFE

It is the non-dangerous chemical Component A should be protected from light and heat, and be sealed stored. Component B is flammable when exposed to open flame Shelf Life: 6 months under 25°C

Special Note

The data in this sheet are reliable information obtained under laboratory conditions. Due to differences in the actual operating environment, users should refer to these data and operating conditions for analysis and testing. Comens does not guarantee the correctness and suitability of the products sold under certain specific conditions. Comens does not assume any liability for direct, indirect or incidental damages for problems arising from the use of the product for a specific purpose. Users who encounter technical problems in the course of use may contact Gaumont's technical service department.



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