



Solar Module Frame Sealant and Junction Box Attach

PSL210 is a one-component, alkoxy cure, silicone adhesive/sealant that cures at room temperature using moisture in the air. It is an excellent candidate to consider for the demanding reliability requirements of solar field applications. This product typically exhibits excellent adhesion to most photovoltaic materials, such as aluminum, plastics and glass, without the use of primers.

Key Features and Typical Benefits

- Fast tack-free time
- One-component, ready-to-use
- Room temperature cure
- Primerless adhesion to many substrates
- UV Stability
- 3mm: UL 94 HB, RTI 105°C, HAI/CTI=0, HWI=2

Typical Physical Properties

Uncured Properties		
Appearance		White, non-flowable paste
Tack-free Time (23°C)	Min.	10
Cured Properties (7 days @ 23°C / 50% RH)		
Appearance		White, elastic rubber
Specific Gravity (23°C)		1.5
Hardness (Type A)		32
Tensile Strength	MPa (kgf/cm ²)	2.0 (20)
Elongation	%	470
Adhesive Strength ⁽¹⁾	Mpa (kgf/cm ²)	1.6 (16)

(1) Aluminum Lap shear

Note: Typical property data values should not be used as specifications.



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Typical Adhesion Performance

PSL210 has excellent bonding properties and typically adheres to many materials without primers.

Substrate	Without Primer
Aluminum	Excellent
Steel	Excellent
Copper	Poor
Acrylic Resin	Excellent
Phenolic Resin	Excellent
Epoxy Resin	Excellent
Polycarbonate	Excellent
ABS Resin	Excellent
Polyethylene terephthalate (PET)	Excellent
Polyphenylene ether (PE)	Excellent
Polyphenylene sulfide (PPS)	Excellent
Glass	Excellent

Excellent: Excellent adhesion

Poor: Poor adhesion

General Instructions For Use

- Wear eye protection and protective glove when handling uncured sealant as it can irritate eyes. In case of eye contact, immediately flush eyes well with water and contact a physician.
- Substrate surface should be thoroughly cleaned with a suitable solvent such as Alcohol, Xylene, Methyl ethyl ketone, etc.
- Adequate ventilation must be maintained in the work place at all times.
- Extended contact with the skin may cause irritation and should be avoided.

Please ask about our available packaging sizes

Patent Status

Technical subject matter in this publication is described and protected by one or more pending US patent applications and foreign counterparts.

Product Safety, Handling and Storage

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