

Solar Module Frame Sealant and Junction Box Attach



PSL220 is a one-component, oxime cure, silicone adhesive/sealant that cures at room temperature using moisture in the air. This product typically bonds to many materials in solar modules, such as metals, plastics and glass, without the use of primers.

Key Features and Typical Benefits

- Primerless adhesion to many substrates
- Neutral cure: Low risk of corrosion (corrosion to copper and copper alloys)
- Excellent resistance to high and low temperature. Continuous operation from -55°C to 200°C
- Excellent weatherability and ozone and chemical resistance
- Simple and easy-to-use one-component system
- UV Stability
- 0.75mm: UL 94 HB, RTI 150°C, HAI/CTI=0, HWI=4

Typical Physical Properties

Uncured Properties		
Appearance	Non-flowable paste	
Tack-free time (23°C)	Min	10

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



The science behind the solutions.

Typical Physical Properties (cont'd)

Cured Properties (7 days @ 23°C / 50% RH)		
Appearance		Elastic rubber
Density (23°C)	g/cm ³	1.04
Hardness (Type A)		28
Tensile Strength	MPa (kgf/cm ²)	1.9 (19)
Elongation	%	380
Adhesive Strength ⁽¹⁾	MPa (kgf·cm ²)	1.7 {17}
Thermal Conductivity ⁽²⁾	W(m·K)-{cal/(cm·s·°C)}	0.18 {4.4 × 10 ⁻⁴ }
Volume Resistivity	Ω·cm	1.0 × 10 ¹⁵
Dielectric Strength	KV/mm	23
Dielectric Constant (60Hz)		2.9
Dissipation Factor (60Hz)		0.004

(1) Aluminum Lap Shear

(2) In-house test method

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

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.

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