



1527 Silicone Sealant For PV Modules

1527 is a high quality, one component sealant based on silicone polymer. It cures by reaction with moisture to an elastic product.

This material is recommended for sealing the side frames of solar cell, sealing/adhesive the junction boxes of solar cell and sealing the solar energy lamps.

| Technology / Base | Silicone |
|--------------------|---------------|
| Type of Product | Adhesive |
| Components | One component |
| Curing | Moisture cure |
| Appearance / Color | White |
| Consistency | Paste |

Features and Benefits

- Super resistance to ultra violet(UV) ,rain, contamination and hail
- UL certificated
- Excellent thermal performance
- High performance with fast and excellent adhesion to glass, aluminium alloy etc.

Curing Profile Typical Packaging Stock No. Unit Size Recommended cure: 310ml 152765 Curing depth is 2mm @ (23 ± 2) °C, (50 ± 5) % RH for 24h 400ml 152764 600ml 152763 Contact HB Fuller technical support for additional 15276602 curing recommendations 25kg 270kg 15276903 Please contact your local Sales Office for available packaging options. **Disposal Advice** Allow adequate ventilation when using. a) b) Avoid prolonged skin contact. In case of eye contact, flush with water and c) seek medical attention. Application Instructions This product is not recommended for use in d) For best result, clean and dry all surface to be 1. pure oxygen and/or oxygen rich systems and

- 1. For best result, clean and dry all surface to be sealed.
- 2. Apply a continuous and even bead of silicone to one surface.
- 3. Assemble parts. Remove excess with knife.

Please refer to the MSDS for disposal instructions. **Safety Advice**

Please refer to the MSDS for safety advice.

should not be selected as a sealant for

chlorine or other strong oxidizing materials.

Storage Conditions

Product shall be ideally stored in a cool, dry area in unopened containers at room temperature.

The shelf life is 12 months.





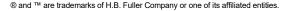
Technical Data

| Rheology | Value | Condition/Method |
|------------------------------------|--|---|
| Viscosity (cps @ 25℃) | White paste | |
| Density | | |
| Density (g/cm ³) | 1.37 | |
| Curing | | |
| Flash Point(℃) | >93 | ISO3679,GB/T 5208-2008 |
| Cure Speed(Fixture/Full) | 6min./24 hrs. (2mm) | Cured @ (23±2)℃, (50±5)% RH |
| Operating Temperature Range(℃) | -54 to 210 | Cured Specifications: Cure speed will vary with temperature, relative humidity, depth of material and presence of moisture. |
| Cured Mechanical Properties | | |
| Measured on cured sheets ~2mm. Cur | ed @ (23±2)℃, (50±5)% RH for 14 d | ays, tested at (23 \pm 2)°C. |
| Hardness (Shore A) | 48 | ISO7619, GB/T531 |
| Elongation at break (%) | 300 | ISO37, GB/T528 |
| Tensile Strength (MPa) | 2.3 | ISO37, GB/T528 |
| Adhesion Strength(MPa) | 1.8 | ISO4587, GB/T7124 |
| Damp-Heat aging properties(Damp | o-Heat aging at 85℃,85%RH for [.] | 1000h) |
| Elongation at break (%) | 320 | ISO37, GB/T528 |
| Tensile Strength (MPa) | 1.6 | ISO37, GB/T528 |
| Electrical Properties | | |
| Volume resistivity(Ω.cm) | 1.0×10 ¹⁵ | IEC60093, GB/T1692 |
| Breakdown tension(kv/mm) | 20 | IEC 60243-1, GB/T1695 |

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