

ANTAS – Sealant for PV Modules

179W

Feature

One-component room temperature curing silicone sealant, low odor, solvent free ,UL 94-HB certified.It has excellent adhesion to aluminum, glass, PC, TPE/PET and other materials. excellent weather resistance, excellent performance in insulation, thermal cycle, wet heat, wet freeze etc.

Applications

- ▶ Adhesive and sealing for PV frames and glass .
- ▶ Adhesive and sealing for PV modules junction box
- ▶ Adhesive and sealing of metal brackets and glass for TPT/TPE thin film and thin-film solar cells.

Uncured properties

Color	White & Black
Vicosty (cps@25°C)	Thixotropy paste
Specific Gravity (g/cm ³)	1.47
Tack-Free Time (min@25°C)	8
Curing rate (25°C)	24hrs/2mm

Note:The curing rate by the temperature, relative humidity and curing depth.

Cured properties

The thickness of the test sample is 2mm, cured 14 days at 23±2°C and 50±5%RH, the test temperature is 25°C

Working temperature (°C)	-50 to +200
Hardness (shore A)	47
Break Elongation (%)	400
Tensile strength (MPa)	2.5
Shear strength (MPa@Al-Al)	2.0
Volume Resistivity (Ω·cm)	1.0*10 ¹⁵
Dielectric Strength (kV/mm)	20

Properties after aging (at 85 °C and 85RH test 1000h)

Break Elongation (%)	350
Tensile strength (MPa)	2.0

Operation

- Sealing or adhesive surfaces should be kept clean and dry.
- Keep the sealant uniform and continuous during use
- After sealing, clean the excess glue with tools

Storage and shelf life

- Stored in its original unopened package in a dry and shady place below 27°C
- 9 months from manufacturing date

Notes

- When operating, ensure ventilation
- Avoid letting uncured glue contact the skin for a long time
- if in eyes, Should quickly rinse with plenty of water and get medical attention.
- This product cannot be used in pure oxygen or oxygen-rich systems, and cannot be used to seal chlorine or other strong oxidizing materials.
- Keep out of reach of children.

For more information about safety, please refer to the MSDS.

Package

400mL/sausage
600mL/sausage
25KG/barrel
270KG/drum

