

Solar Technology Application

Solar energy is a kind of very clean source of energy and can supply continually. It will not produce pollution, and deplete natural resources or cause global warming as well. It can be got from all over the world, and high practicality, multi-purpose are the advantages of solar energy. It could also provide great amount of electricity economically by modern solar energy systems in some short duration of sunshine countries. Solar Technology is kind of technology and method that can use solar energy. It uses photovoltaic panels or Solar Collectors coupled with circuits and mechanical devices to convert sunlight into useful energy output. Converting sunlight into useful energy output, then stores and uses it. The Solar Technology could increase the supply of energy and meet the demand for alternative energy sources as well.

For the demands of each Solar Technology Process, Everwide has developed new series adhesives that own three advantages.

- * The heat curing epoxy adhesives only need low temperature to cure, and the curing speed is rapid.
- * Adhesive packaging does meet all the demands of the Solar Technology Industry.
- * Meet the requirement of low luminescence decay and pass strict environmental testing particularly.

Water-Soluble adhesive for Solar Panel cutting

Features

- Wafer Cutting.
- Fix temporarily, separated by water-soluble.



Product No.	Appearance	Color	Mix Ratio	Viscosity(cps)	Pot Life , 25 °C	Curing Condition	Hardness Shore D	Water-Soluble efficiency	Glass Transition Temp. Tg, °C. By MDSC
JD024AB	A:Liquid B:Liquid	A:Gray B:White	A:B=2:1	A:5,000~9,000 B:12,000~19,000	8~12 min	25°C/ 3-5day 80°C/ 1hr	84	80°C, 30min 60°C, 3hr	38

*The Data is for reference only, detailed information please refer to the technical data sheet.

Solar Panel Encapsulation adhesives for aluminum frame

Features

- Suitable for Encapsulation and Casting.
- High transparency, high temperature resistance, yellowing resistance.
- Pass reliability test, Temperature Cycle test, High temperature high humidity test.



Encapsulation / Transparent layer

Product No.	Appearance	Color	Mix Ratio	Viscosity(cps)	Pot Life , 25 °C	Curing Condition	Hardness Shore A	Glass Transition Temp. Tg, °C. By MDSC	Temperature range , °C
JD051AB two parts, room temperature curable	A:Liquid B:Liquid	A: Transparent B: Transparent	A:B=2:1	A: <100 B: 170~270	3hr	25°C/ 5-7day 100°C1hr	49	-24	-20~100

*The above data is coming from the heat-cured adhesive. Data is for reference only, detailed information please refer to the technical data sheet.

Product No.	Appearance	Color	Water Absorption, 25 °C	Viscosity(cps)	Pot Life , 25 °C	Curing Condition	Hardness Shore A	Glass Transition Temp. Tg, °C. By MDSC	Temperature range , °C
FS094 Moisture-curing type	Liquid	Transparent	1.84	1,600~2,500	4-5 hr	1mm , 12hr 2mm , 24hr	62	-55	-20~100

*The Data is for reference only, detailed information please refer to the technical data sheet.

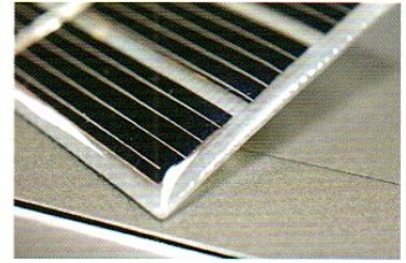
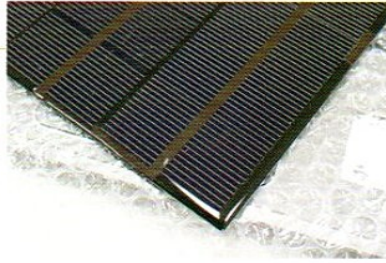
Encapsulation / Bottom layer

Product No.	Appearance	Color	Mix Ratio	Viscosity(cps)	Pot Life , 25 °C	Curing Condition	Hardness Shore A	Glass Transition Temp. Tg, °C. By MDSC	Temperature range , °C
JD054	A:Viscous Liquid B:Liquid	A: White B: Transparent	A:B=3:1	A: 6,400~10,000 B:<100	4hr	25°C/ 3-5day 80°C1hr	86	19	-20~100

Solar Panel Encapsulation Adhesives

Features

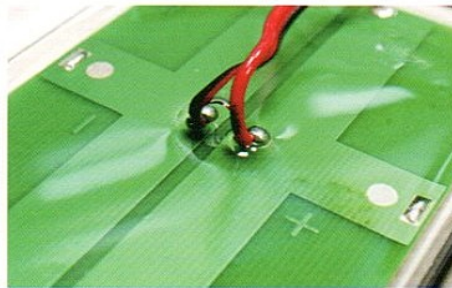
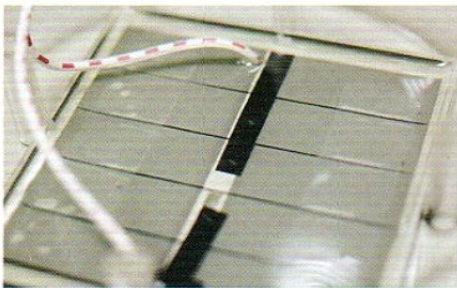
- Cured by room temperature or heat.
- Pass reliability test, Temperature Cycle test, High temperature high humidity test.



Chip Casting / PCB, Glass

Product No.	Appearance	Mix Ratio	Viscosity(cps)	Pot Life ,25 °C	Curing Condition	Hardness Shore D	Water Absorption , 25°C, %	Glass Transition Temp. Tg, °C. By MDSC	Temperature range , °C
JD052AB	A:Transparent liquid B:Transparent liquid	A:B=4:1	A:900~1,400 B:<100	2-3 hr	25°C/ 3-5day 80°C/ 1hr	71	0.5	31	-20~100

*The above data is coming from the heat-cured adhesive. Data is for reference only, detailed information please refer to the technical data sheet.



Casting / Plastic shell

Product No.	Appearance	Mix Ratio	Viscosity(cps)	Pot Life ,25 °C	Curing Condition	Hardness Shore D	Water Absorption , 25°C, %	Glass Transition Temp. Tg, °C. By MDSC	Temperature range , °C
JD052AB	A:Transparent liquid B:Transparent liquid	A:B=4:1	A:900~1,400 B:<100	2-3 hr	25°C/ 3-5day 80°C/ 1hr	71	0.5	31	-20~100
JD053AB	A:Transparent B:Yellowish	A:B=3:1	A:2,700~4,100 B:50~300	4-6 hr	25°C/ 3-5day 80°C/ 1hr	84	0.24	55	-20~100
JD053-1AB	A:Transparent B:Transparent	A:B=3:1	A:1,500~2,300 B:<100	4-6 hr	25°C/ 3-5day 80°C/ 1hr	62	1.06	36	-20~100

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