

Technical Data Sheet (TDS) 8611 SMT(surface mount technology) Adhesive

Product description::

8611 is a single component heat curing epoxy adhesive. For machine dispensing. The product has excellent heat resistance, excellent moisture resistance and adhesion strength, electrical properties, good storage stability.

Typical application:

Mainly used for STM bonding components.

Typical properties:

Chemical composition: epoxy resin

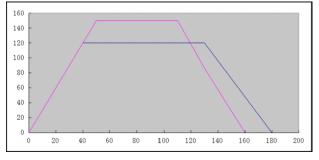
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Main parameter	Typical	range
Density (g/cm ³)	1.23	1.2-1.3
viscosity (mPa.s@25℃)	320000	250000- 450000

Recommend cure condition:

120℃ 90-120s





Higher curing temperatures and longer curing time will get a better bond strength. The curves for the recommended curing temperature and heating rate, show when the components reach a good adhesion needs time at the corresponding temperature. Users can set the oven temperature according the curing curves and oven efficiency.

Properties after curing:

(sample curing at 150°C 30min)

Main parameter	Typical	range



Hardness (Shore D)	82	
Elongation at break (%)		≤4
Shear strength (MPa)	15.3	≥10
Tg(℃)(DSC)	102	

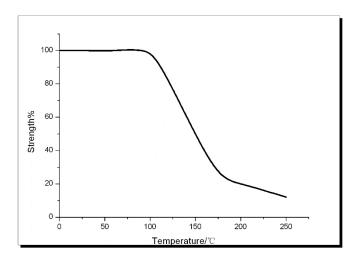
Electric properties:

Electric properties.			
Volume resistivity ASTM D149,Ω·cm	3.7×10 ¹⁴		
Surface resistivity ASTM D149, Ω	7.5×10 ¹⁴		
Dielectric strength ASTM 257,KV/m	20		

Heat-resisting strength

(sample curing at 150° C 30min) AL/AL shear strength (under appropriate temperature test)





Store:

2~8°C dry sealed storage, shelf life is 6 months.

Direction for use:

- 1. Before using the adhesive must be returned to room temperature, before return to the room temperature (30ml package, normally takes 2h) don't open the package to prevent adsorption of moisture in the air and affect the using.
- 2. Use acetone or glycol ethers to wipe the uncured adhesive on the circuit board.
- 3. Unused adhesive, first seal and then place in the refrigerator for storage.

Notice:

- 1. Away from children
- 2. Using this product in a well-ventilated place
- 3. If accidentally touch into the skin, please immediately wash with soap and water.
- 4. If the eyes, please use amount water to wash, and the go to the doctor.

Technical Service:

If other problems encountered in use, please contact the ASI Technologies technical services department.

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