

EMPOWERING



SOLAR EFFICIENCY

Al₂O₃-ZnO Target : AZO, AZO-H Ga₂O₃-ZnO Target : GZO

Sputtering Target for TCO film of photovoltaic solar cell

< Material >

AZO and AZO-H : Al₂O₃ wt% can be controlled.
GZO : Ga₂O₃ wt% can be controlled.

AZO-H, GZO is

- less number of arcing during sputtering times than AZO.
- lower resistivity than AZO.

< Film >

GZO film is lowest resistivity than AZO and AZO-H

PRODUCT DESCRIPTION

Applications

Transparent Conductive Oxide films of solar cells
Optical films of PDP



AGC Ceramics Co.,LTD.

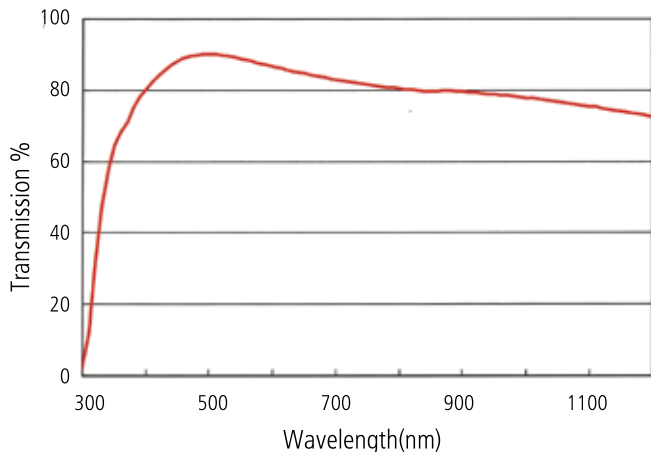
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<http://www.agcc.jp/2005/en/index.html>

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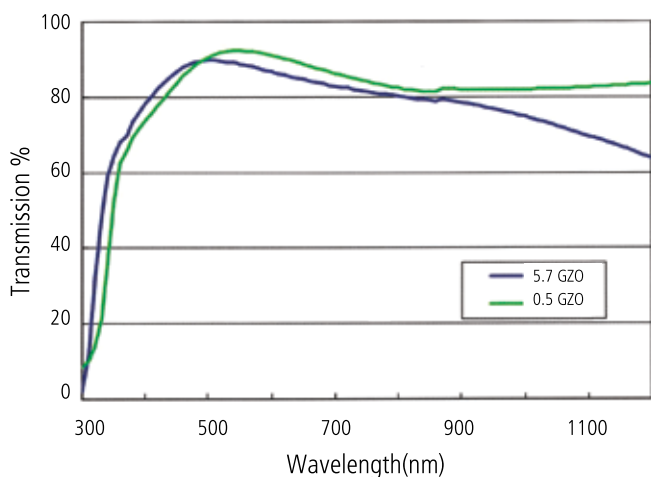
Transmission

AZO and AZO-H



*) Film thickness of 130nm on the soda glass

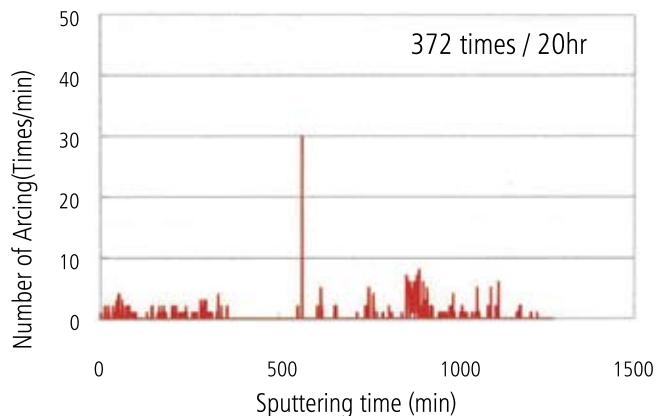
GZO



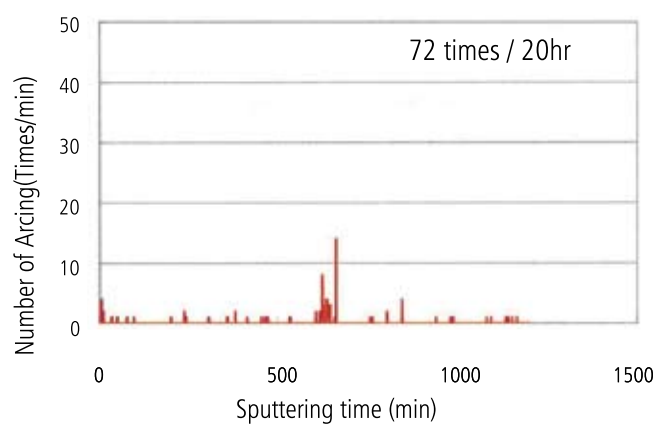
*) Film thickness of 130nm on the soda glass

Stability of sputtering times

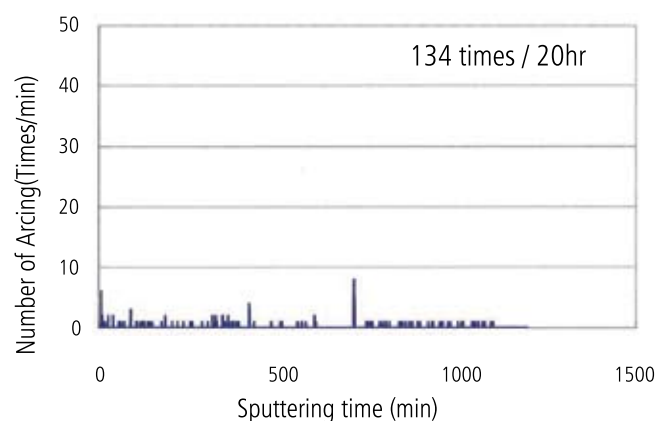
AZO



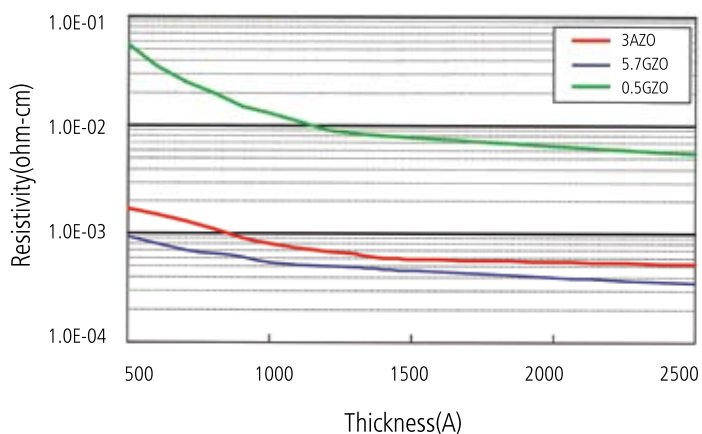
AZO -H



GZO



Electrical property



*) Films were deposited on the glass at 200°C.