

EMPOWERING

AGC

SOLAR EFFICIENCY

SOLAR

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

Sputtering Target for TCO film of photovoltaic solar cell

太陽電池向け透明導電膜用ターゲット

< 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

用途

太陽電池用透明導電膜
PDP用光学膜

<材料>

組成変更が容易

AZO-H, GZOは、

AZOよりアーキングが少ない

AZOより低抵抗

<膜>

GZO膜は、AZO膜、AZO-H膜より低抵抗



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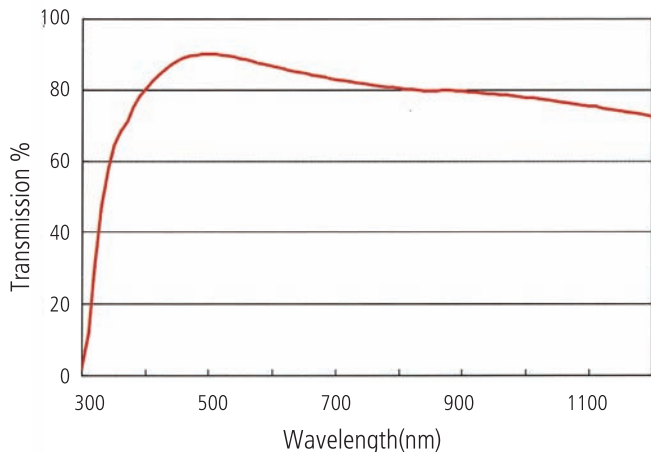
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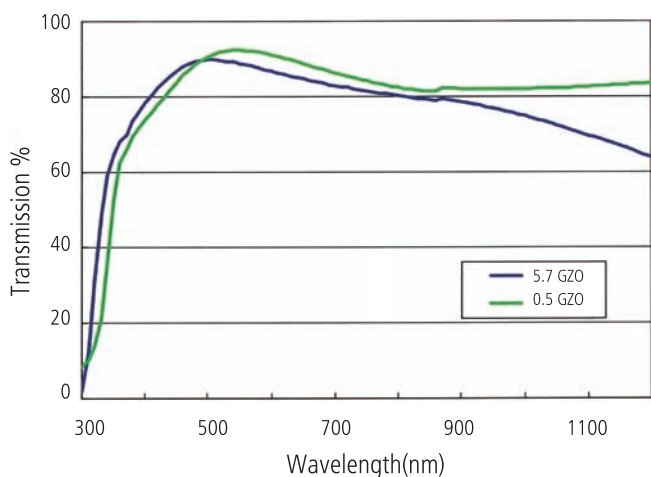
Transmission

AZO and AZO-H



*) Film thickness of 130nm on the soda glass

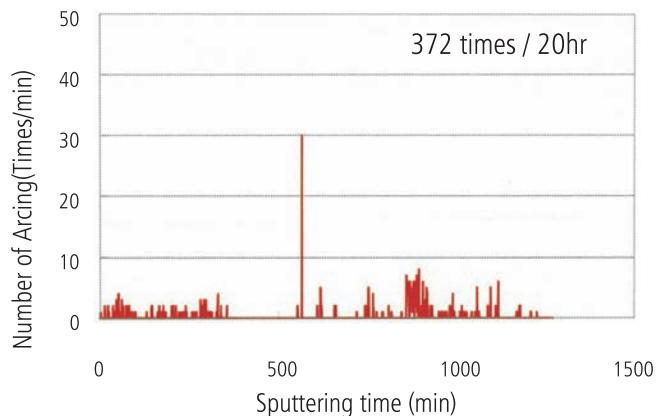
GZO



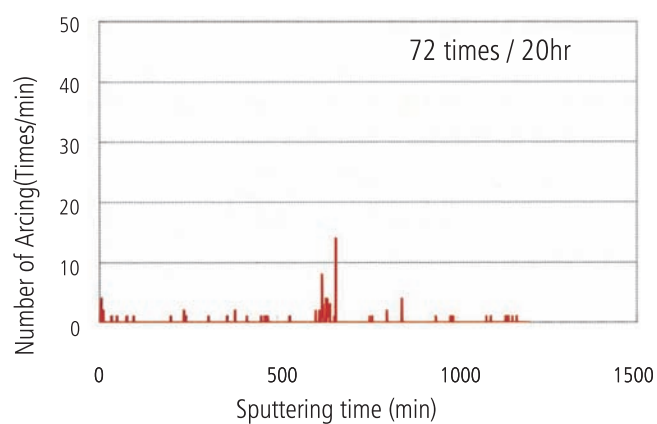
*) Film thickness of 130nm on the soda glass

Stability of sputtering times

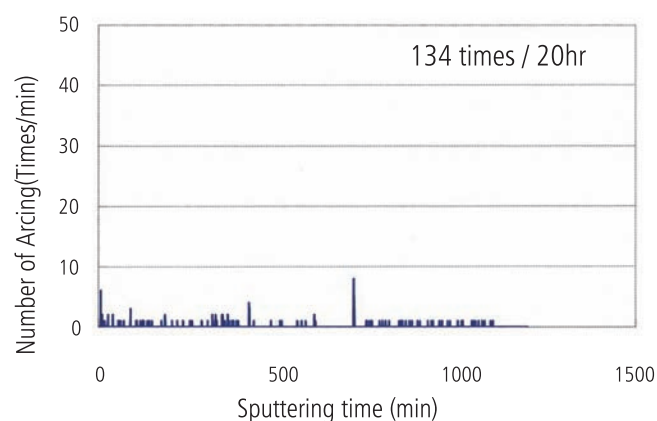
AZO



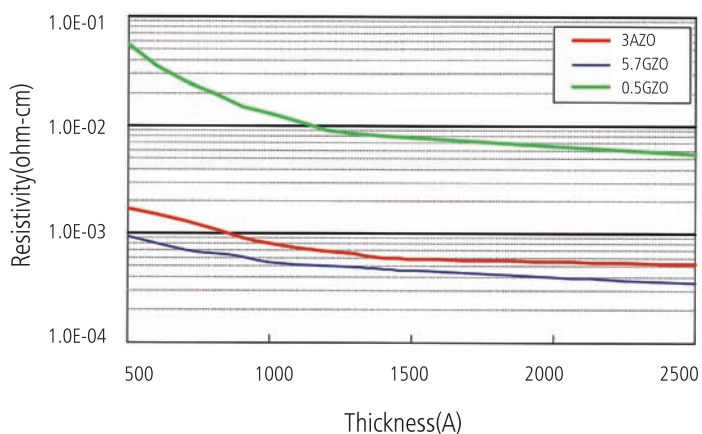
AZO -H



GZO



Electrical property



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