

# アルカリ現像型PKG用SR AUS AZ1

Photo-imageable Solder Resist for Large Scale and High Reliability  
(大型IC、高信頼性パッケージ対応)

## 特徴 Features

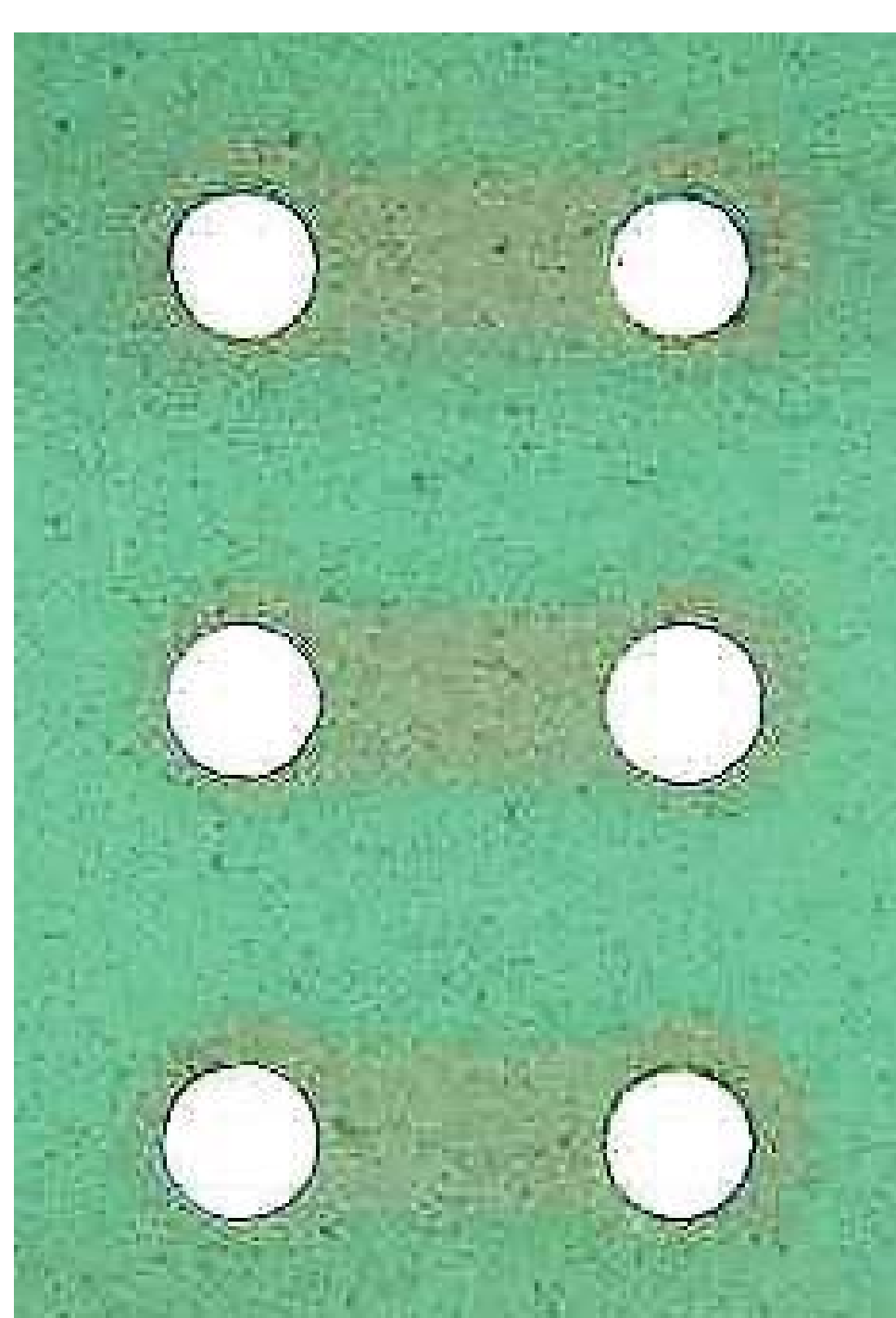
- 高クラック耐性 Excellent Anti Crack Resistance at TST/TCT
- 高BHAST特性 Excellent BHAST Performance
- 大型、多ピンICに最適 Suitable for Large Die & High I/O Count
- 液状、フィルムタイプの両方をラインナップ  
Liquid type and Dry Film type

## 特性 Properties

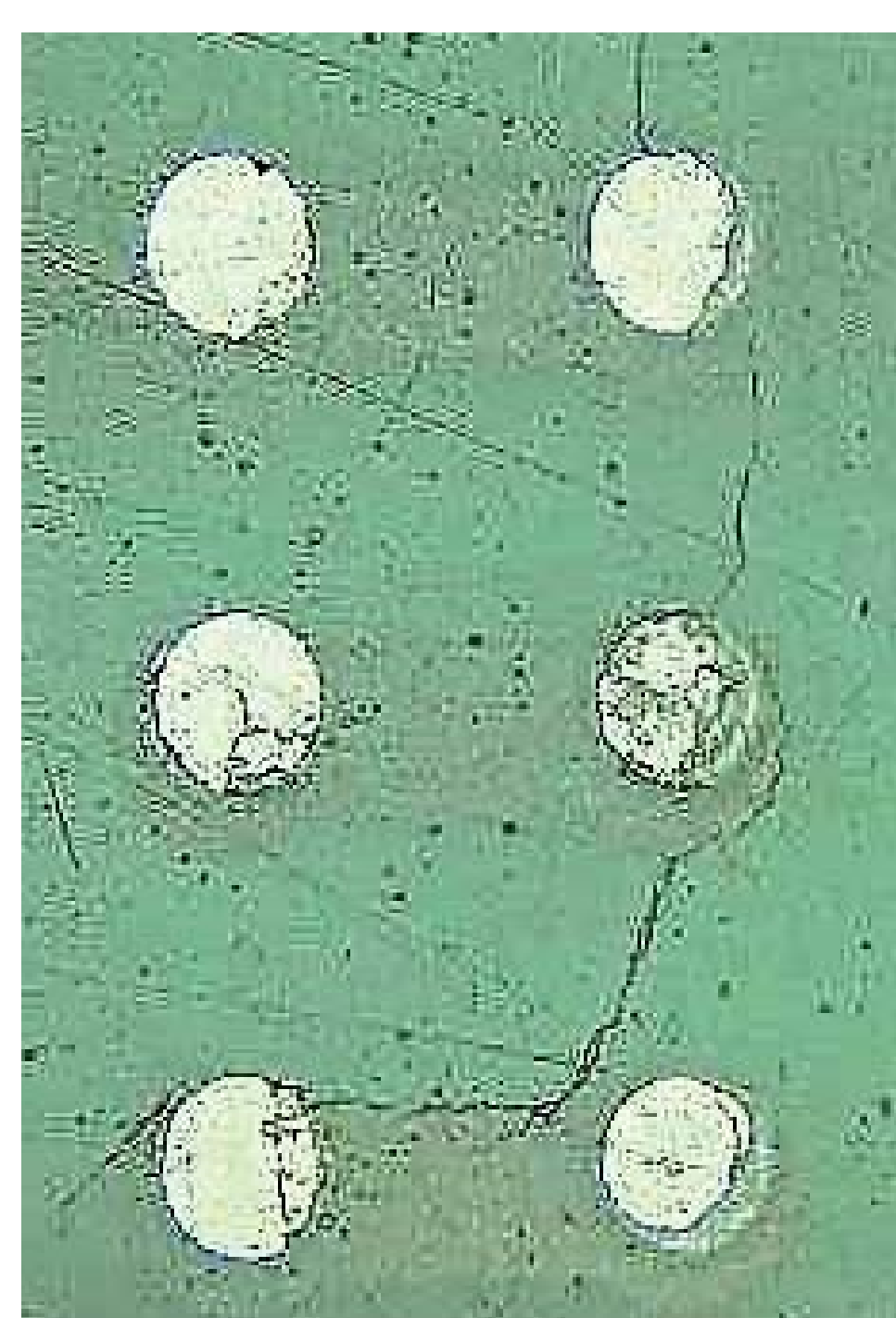
ガラス転移点 Tg *TMA method	150-160 deg.C
線膨張係数 CTE ( $\alpha_1$ )	35-40 ppm
弾性率 Young's modulus	3.5-4.0 GPa
破壊強度 Tensile strength	90 – 95 MPa
破壊伸び率 Elongation	6.0-7.0 %
HAST耐性 ( 130deg.C/85%RH, 5V,L/S=12/13 )	300 h Pass
冷熱サイクル耐性 (150deg.C $\leftrightarrow$ -65deg.C)	1000 cycles Pass

### Crack Resistance TST 1000 cycles

**AUS AZ1**

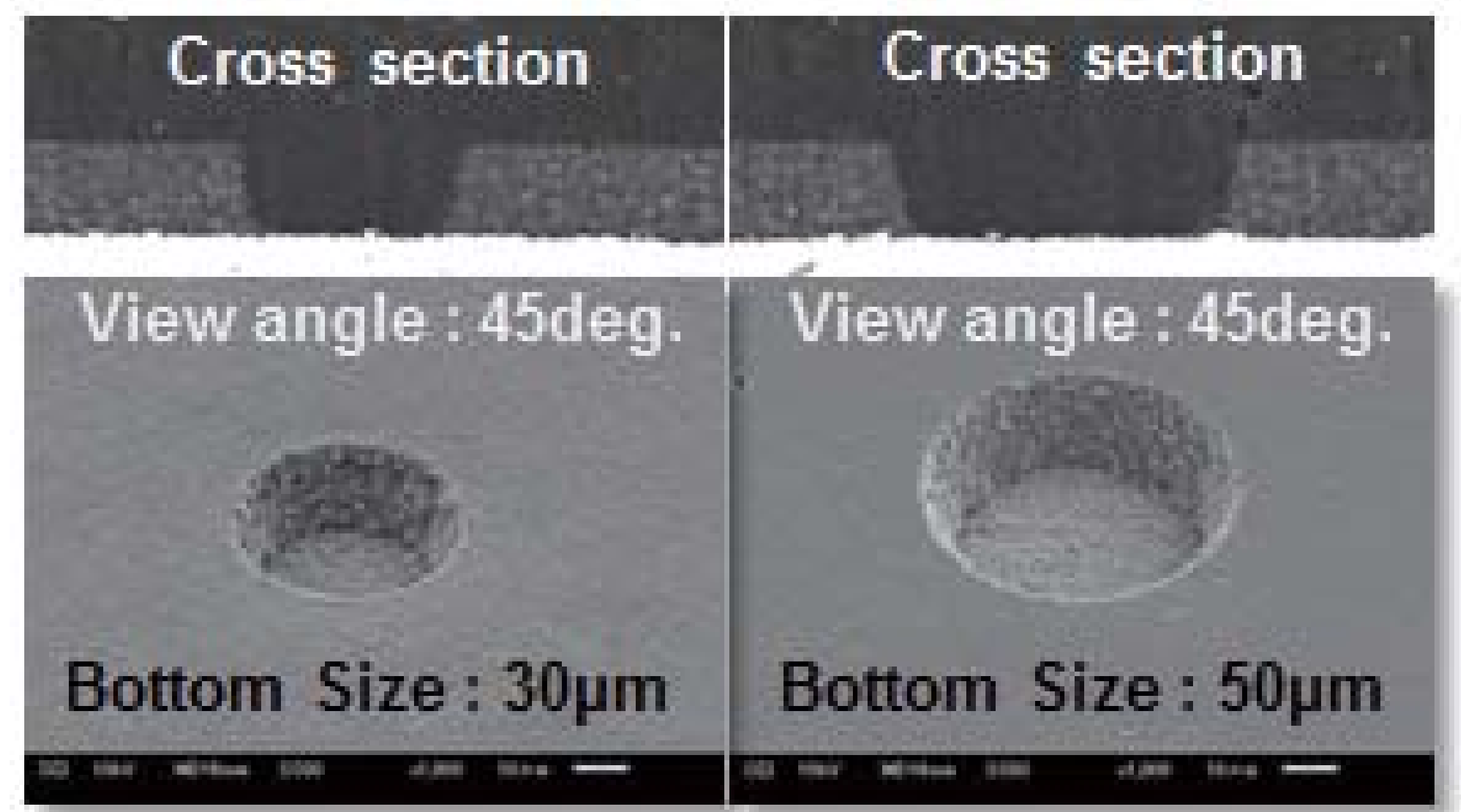


**Conventional SR**



### AUS AZ1 SRO

Cross section



Cross section

View angle : 45deg.

Bottom Size : 30µm

View angle : 45deg.

Bottom Size : 50µm