

Photovoltaic Products

Building new competence...
Creating a brighter world...

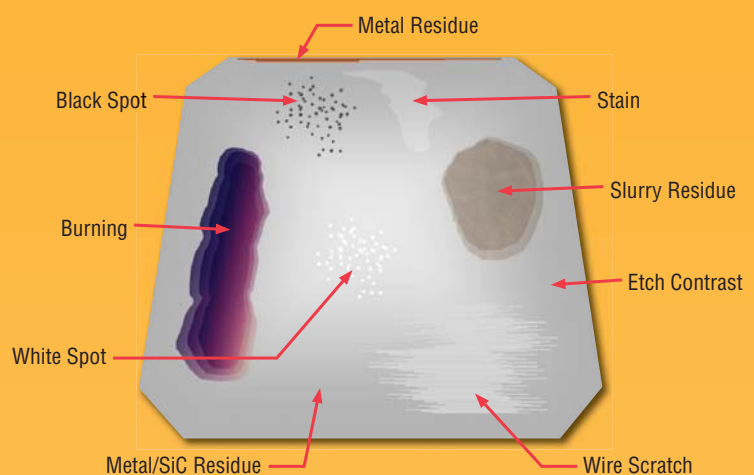
Dow Electronic Materials is collaborating closely with leading Photovoltaic (PV) companies, institutions and government laboratory to develop crystalline cell manufacturing technologies and processes that deliver higher efficiency and improved yields at a fraction of today's silver paste based screen print technologies.

ENLIGHT™ 340 Series Wafer Clean

ENLIGHT™ 340 Series alkaline cleaner provides exceptional cleaning ability during wafer final clean. It has been proven to remove most common defects.

Benefits

- Compatible with horizontal and vertical equipment
- Suitable for both mono and multi crystalline silicon wafers
- Easy make up and replenish scheme
- Improved processing yield
- Longer bath life

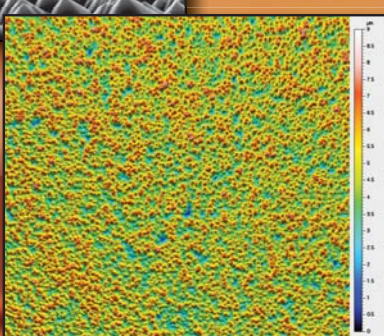
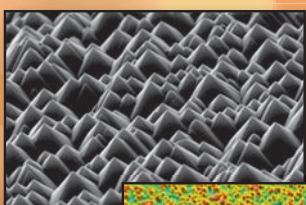


ENLIGHT™ Texturizer

ENLIGHT™ 100 and 200 Series Texturizers are formulated to deliver optimum reflectance for mono and multi crystalline silicon. These texturizers remove isotropic etching of mono and multi crystalline substrate.

Benefits

- Good uniformity
- Compatible with horizontal and vertical processes
- High throughput
- Environmentally friendly
- Excellent process control



ENLIGHT™ 620 Silver Plate

ENLIGHT™ 620 Silver Plate is a 2nd generation cyanide-free silver plating chemistry optimized for Light Induced Plating (LIP) applications with improved deposit conductivity and faster plating speed. The chemistry is compatible across a wide range of silver pastes and can increase cell efficiencies by as much as 0.6%.

Benefits

- Good uniformity
- Compatible with horizontal and vertical processes
- High throughput
- Environmentally friendly
- Excellent process control

Multi-crystalline Si

	CE %	FF %	Rs ohm * cm ²	Isc mA/cm ²
Paste	15.79	73.0	1.39	34.77
Paste + LIP	16.28	77.0	0.63	34.49