

BGL-GZ-83

FAST AND EASY

Anti Sticking Layer for your Nanoimprint Stamp

A critical step in the Nanoimprint process is the separation of stamp and substrate after resist curing. To avoid sticking of the resist and stamp, the total surface energy of the stamp has to be minimized.

Sticky Stamps?

BGL-GZ-83 provides a fast and easy coating of your stamp thin enough to maintain and protect sub 100 nm features stable for more than 50 imprints.

Drop and Spin

BGL-GZ-83 is spin-coated in one minute onto the NIL stamp. Just put your stamp in your coating equipment, dispense BGL-GZ-83 and turn on your spin coater.

3 Hours vs. 2 Minutes

For BGL-GZ-83 only a spin coater is needed. Conventional anti-sticking layers have to be deposited from the vapor phase which takes several hours and requires sophisticated experimental setups.

Properties

- Fast and easy to apply
- Decreased stamp surface energy
- No sticking of resist to stamp
- Cost efficient
- Only a spin coater is needed
- Process at room temperature
- Process can be performed in air
- Typically 50 imprints* with one treatment

*) depending on stamp cleaning procedure and NIL resist used

Data & Facts

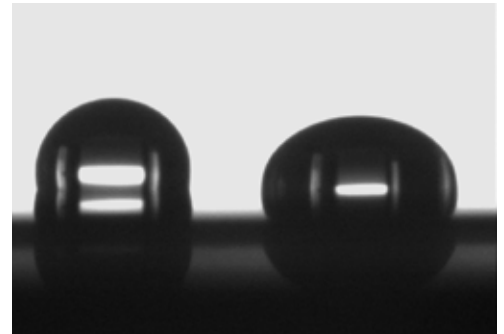
BGL-GZ-83 is available in glass vials with cleanroom produced packages for 1 stamp.

Infos and Order Form

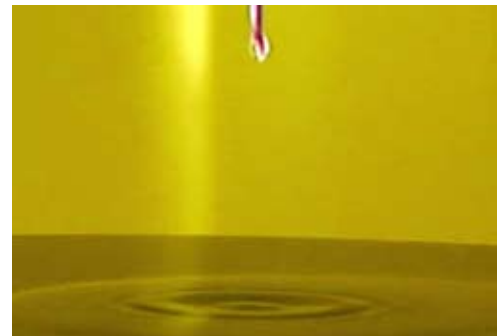
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Low Surface Free Energy
left: water (H₂O); right: diiodo methane (CH₂I₂)



Drop and Spin



BGL-GZ-83



INNOVATIONS IN
NANO