

## Fabrics for demanding printed electronics

NBC screen printing fabrics stand for **high reproducibility, standardized processes, and precise printing parameters**. They are suitable for membrane keyboards, antennas, conductor tracks, RFID patches, and high-resolution displays. Our solutions meet tight technical requirements while simultaneously supporting process reliability and high throughput.



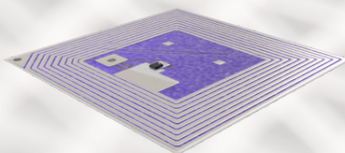
### Thread diameter: 20 µm & 24 µm

High-performance screen printing fabrics for electronics printing. Precise printing of conductive pastes and ultra-fine structures down to 45 µm. Dimensionally stable and highly reproducible.

#### Proven performance:

#### NBC Polyarylate VN-130-024/330PW

- | up to twice the tensile strength of stainless steel meshes
- | high elastic recovery, no loss of tension
- | maximum structural resolution, homogeneous paste deposition
- | large mesh openings for optimal ink transfer
- | high screen tensions for excellent dimensional stability
- | optimal paste release performance
- | high light transparency, low reflection
- | sharp print edges and optimized adhesion



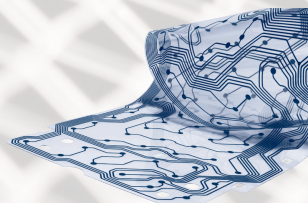
### Thread diameter from 24 µm to 300 µm

For functional layers and fine details. The NBC aL-130-030/330PW enables precise printing of conductor tracks, antennas, and functional pastes.

#### Proven performance:

#### NBC Conjugated Polyester L-130-030/330PW

- | adhesion-optimized surface treatment
- | extended exposure latitude, reducing rework
- | high tension resistance due to stable dimensional control
- | reduced risk of mesh tearing
- | maximum reproducibility of specific tension values
- | stable geometry in warp and weft with minimal tension loss
- | long stencil lifetime with good ink resolution



## DI-Mesh

### Thread diameters: 27 µm, 30 µm, 35 µm, and 45 µm

Designed for computer-to-screen systems. Faster exposure with lower energy consumption while maintaining consistently high resolution.

#### Proven performance:

#### NBC High-modulus polyester DI-120-035/305PW

- | significantly higher light transmission of the filament material
- | up to 25% shorter exposure times
- | reduced energy demand = lower process costs
- | extremely precise contours, high sharpness even for the finest structures
- | adhesion-optimized properties
- | consistently excellent strength and dimensional stability
- | maximum reproducibility of specific tension values
- | stable geometry in warp and weft with minimal tension loss

