

## **GRIPFLOW™**

### Innovative Multilayer Bonding Solution for Reflow Catheter Lamination

- THE CHALLENGE:** Multilayer catheter designs require strong layer bonding for optimal performance.
- THE PROBLEM:** Layer delamination, a defect in which catheter layers separate, is costly if discovered during catheter assembly and may be more serious if experienced in the cath lab. Nonstick PTFE, often used for low-friction liners, is notoriously difficult to bond even when chemically treated.
- THE SOLUTION:** Microcatheter Components' thin **GRIPFLOW™** bonding layers grip tightly, securely locking multiple catheter layers together:
- **GRIPFLOW™**-lined shaft material bonds with inner slip layers.
  - **GRIPFLOW™**-coated shaft material bonds with outer layers.
  - **GRIPFLOW™** bonds with both inner and outer shaft layers for special catheter applications.

**GRIPFLOW™** layers can be extruded in a wide range of polymers, including nylons, nylon copolymers, thermoplastic polyurethanes, and thermoplastic elastomers.

Please contact us for more about **GRIPFLOW™** layer solutions for your catheter applications.

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Microcatheter Components delivers world-class,  
precision microcatheter extrusions to the medical device industry.

Niche markets include balloon tubing and innovative, tight-tolerance single-lumen tubing.  
Quality is our mantra, and we listen to understand value from your perspective.

Microcatheter Components is ISO 13485:2016-certified.