PTFE (polytetrafluoroethylene) provides a lubricious inner layer ideal for catheter applications that require low friction. PTFE liners have ultrathin walls (0.0005” – 0.002”), which can maximize your inner diameter and give you space to do more with your device, such as adding a reinforcement layer. PTFE liners also add minimal stiffness to the catheter shaft for high flexibility. This is a key requirement for neurovascular applications, where devices must navigate torturous vascular pathways.

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Our PTFE liners on mandrels can be fabricated with a thin thermoplastic outer layer to enhance adhesion. This “strike layer” adds up to 60% more bond strength between the etched PTFE surface and the catheter assembly.

TOP 5 REASONS TO USE FILM-CAST PTFE LINER TUBING FOR YOUR NEXT CATHETER DESIGN

PTFE liner tubing manufactured using the film-cast process offers some important advantages for medical device design challenges:

1. Ultrathin Walls (0.0005”-0.002”)
2. Precise Dimensions
3. High Flexibility
4. Improved Adhesion with a Strike Layer
5. Option of Cut Lengths or Continuous-spooled Lengths