

Optinova PEBA Jackets



Solutions for Medical Applications.

Our PEBA outer jacket tubing is the final layer that completely encases the internal structure and forms the device's working surface in contact with tissue or blood.

It plays a critical role in catheter performance—from flexibility and kink resistance to durability and control. With Optinova's broad range of outer jacket solutions, you can ensure smooth and reliable performance.



Key advantages

- **Wide Dimensional Range:** From neurovascular to structural heart (OD 0.5-10 mm).
- **Tight Tolerances:** Optinova's in-house state-of-the-art extrusion lines ensure tight tolerance tubing.
- **Variable Durometers:** From soft to rigid. We tailor the flexibility of the tubing to match your specific catheter requirements.
- **Consistent Quality:** Ability to modify release tests to meet specification requirements. We validate every product.
- **Customization:** Choose from a wide range of wall thicknesses, additives, degrees of radiopaque materials, and colors with high quality.

Applications

- Interventional Cardiology
- Peripheral Vascular
- Structural Heart
- Electrophysiology
- Neurovascular

Medical-grade certifications



Technical specifications

Inner diameter range:	0.3-9.0 mm ±0.127mm*
Outer diameter range:	0.5-10mm ±0.127mm*
Wall thickness:	≥0.16mm or ≥5% of OD** ±0.03mm
Cut length:	20-1800mm +1% of min length
Durometer range:	25D -72D
Custom additives:	As needed. Heat stabilizers, UV stabilizers, friction modifiers, radiopacity, custom colors, etc. We collaborate with several compounders in order to access several proprietary additives.

*Tighter tolerances can be possible in some scenarios, please reach out to discuss.

** Whichever is the largest.

For more technical information, please contact us at our sales offices or visit our website: [optinova.com/contacts](https://www.optinova.com/contacts)

We meet **your specifications** by **customization** of processes and materials with **superb customer service**.

**We empower customers
through highly reliable
tubing solutions.**



We provide the full catheter tubing system:

Mandrels

Etched PTFE Liners

Braided Tubing

PEBA Jackets

FEP Heat Shrink

And more...

About Us

Founded in 1971, Optinova is a world-leading extrusion partner for advanced medical and industrial tubing. With sales offices around the world and four extrusion plants in Finland, Thailand, and the US, we are serving partners from 50+ countries across industries.

Contact Us

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