

FEP Heat Shrink Tubing Data Sheet

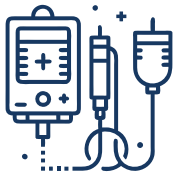


Product Overview

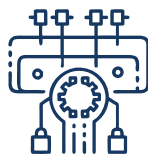
NovelCath's FEP HS (Fluorinated Ethylene Propylene Heat Shrink) tubing delivers exceptional performance for medical applications requiring high precision, biocompatibility, and durability. With decades of experience in materials

engineering and advanced manufacturing techniques, NovelCath ensures high-quality tubing suitable for demanding applications like catheter manufacturing and wire encapsulation.

Applications



Catheter Assembly

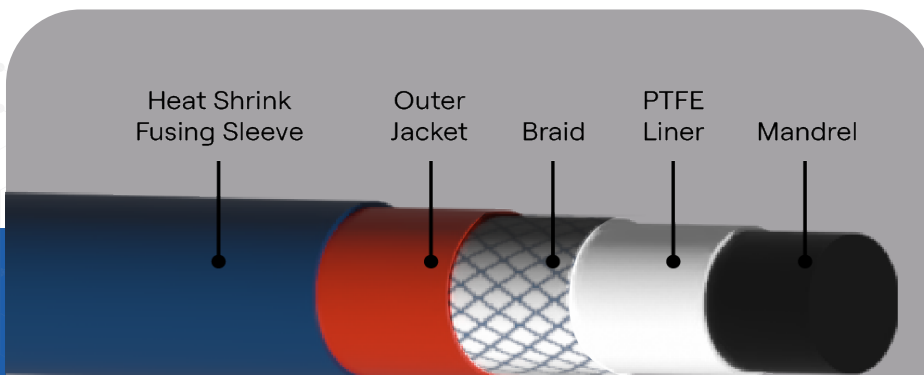


Encapsulation of leads and wires



Balloon Bonding

Customizable Services



Precise customization to expanded ID, recovered ID, recovered wall, and cutting to custom lengths.

Key Product Features

High Clarity and Precision

- Transparent material allows for easy visual inspection of encapsulated components
- Tight tolerances ensure uniform shrinkage and dimensional accuracy

Biocompatible Material:

- FEP is chemically inert and non-toxic, making it ideal for medical-grade applications
- 100% Silicone Free
- Meets medical grade REACH/RoHS compliancy

Standards & Specifications

PARAMETER	VALUE
Recovered Wall	.008" to .015"
Expanded ID (min)	.054" to .425"
Ratio	1.3:1 to 2:1
Shrink/Grow	5% or less (length)
Material Compliance	ISO 10993, USP Class VI

Exceptional Thermal Stability:

- Heat-shrink activation temperature: ~215°C (420°F).
- Maintains structural integrity at operating temperatures up to 176-343-°C (350-650°F).

Customizable Options*:

- Available in various diameters, wall thicknesses, and lengths to meet specific project requirements

Stocked Items

EXPANDED ID MIN	RECOVERY ID MAX	MIN. LENGTH (IN)
0.054	0.034	60
0.063	0.039	60
0.093	0.058	60
0.125	0.078	60
0.188	0.115	60
0.215	0.139	60
0.250	0.155	60
0.275	0.172	60
.0300	0.187	60
0.375	0.234	60

Why Choose NovelCath?

NovelCath's expertise in precision tubing and its vertically integrated manufacturing processes ensure unmatched quality and reliability.

With customizable solutions, extensive testing capabilities, and compliance with medical-grade standards, Novelcath is a trusted partner for advanced heat shrink tubing needs.

Looking for Samples?

NovelCath will send 5 free samples out for your review (See Ordering Info Below)

Ordering Information

For detailed product options or to request free sample—

Email: mason.hille@novelcath.com

Mobile: (651) 274-4577

