

StreamLiner™ Series

Sub-Lite-Wall® StreamLiner™ VT, XT
Sub-Lite-Wall® StreamLiner™ OTW VT, XT, UT

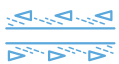
Overview-

Our new PTFE Sub-Lite-Wall® StreamLiner™ series is the latest breakthrough in our already best-in-class catheter liner. The StreamLiner™ series was developed leveraging over 50 years of industry leading experience in state-of-the-art polymer extrusion development and manufacturing. PTFE Sub-Lite-Wall® StreamLiner™ tubing is our family of extremely thin walled extrusions available in XT and VT wall thicknesses.

Over-The-Wire Options-

In addition to extruded tubing, StreamLiner™ is available in over-the-wire (OTW) configurations with walls as thin as 0.0004" (0.0102 mm). StreamLiner™ OTW offers comparable flexibility and wall thickness as film cast liners but with improved strength.

With the thinnest walls in the industry, the Sub-Lite-Wall® StreamLiner™ series allows engineers to increase the catheter lumen while also effectively lowering the overall profile of the device. PTFE StreamLiner™ series brings with it all of the same functional properties of its predecessors but with better performance for seamless acceptance. These combined features enable device engineers to explore more advanced designs for catheters and endovascular delivery systems. These are exciting additions to our portfolio of designs for next-generation minimally invasive procedures.



COEFFICIENT OF FRICTION



BIOCOMPATIBLE



CONTINUOUS SERVICE TEMP



PTFE StreamLiner™ series is our thinnest extruded liner available on the market.

APPLICATIONS

- Catheter liners
 - o Vascular
 - o Non-vascular

KEY PROPERTIES

- Ultra-tight tolerances
- Highly lubricious
- Improved flexibility
- Etching capability for bonding
- Working temperature up to 260 °C (500 °F)
- Chemical resistance and inertness
- ETO and autoclave sterilizability
- Excellent dielectric insulating properties
- Biocompatibility – certified USP Class VI



PTFE StreamLiner™

All material is etched on the OD and available in metric and standard dimensions.

PTFE StreamLiner™ Standard Capabilities

Resin	ID	Inside Diameter		Nominal Wall Thickness		Wall Tolerances		Max Cut Length	
		in.	mm	in.	mm	in.	mm	in.	cm
PTFE	XT	0.004 - 0.040	0.102 - 1.016	0.0005	0.0127	0.00025	0.00635	86	218.44
PTFE	VT	0.004 - 0.120	0.102 - 3.048	0.00075	0.01905	0.00025	0.00635	86	218.44

PTFE StreamLiner™ AVAILABLE SAMPLES

ID	OPN	ID SIZES		ID TOLERANCE +/-		WALL		WALL TOLERANCE +/-		CUT LENGTH	
		in.	mm	in.	mm	in.	mm	in.	mm	in. +2/-0	+5.08/-0 cm
VT	221629	0.120	3.048	0.001	0.025	0.00075	0.01905	0.00025	0.00635	60	152.4
VT	221631	0.115	2.921	0.001	0.025	0.00075	0.01905	0.00025	0.00635	60	152.4
VT	221634	0.105	2.667	0.001	0.025	0.00075	0.01905	0.00025	0.00635	60	152.4
VT	221648	0.100	2.540	0.0005	0.0127	0.00075	0.01905	0.00025	0.00635	60	152.4
VT	221651	0.095	2.413	0.0005	0.0127	0.00075	0.01905	0.00025	0.00635	60	152.4
VT	221646	0.085	2.159	0.0005	0.0127	0.00075	0.01905	0.00025	0.00635	60	152.4
VT	221665	0.075	1.905	0.0005	0.0127	0.00075	0.01905	0.00025	0.00635	60	152.4
VT	221663	0.065	1.651	0.0005	0.0127	0.00075	0.01905	0.00025	0.00635	60	152.4
VT	221652	0.060	1.524	0.0005	0.0127	0.00075	0.01905	0.00025	0.00635	60	152.4
VT	221662	0.055	1.397	0.0005	0.0127	0.00075	0.01905	0.00025	0.00635	60	152.4
VT	221661	0.050	1.270	0.0005	0.0127	0.00075	0.01905	0.00025	0.00635	60	152.4
VT	221640	0.045	1.143	0.0005	0.0127	0.00075	0.01905	0.00025	0.00635	60	152.4
VT	221642	0.035	0.889	0.0005	0.0127	0.00075	0.01905	0.00025	0.00635	72	182.88
VT	221660	0.030	0.762	0.0005	0.0127	0.00075	0.01905	0.00025	0.00635	72	182.88
VT	221655	0.020	0.508	0.0005	0.0127	0.00075	0.01905	0.00025	0.00635	72	182.88
VT	221657	0.015	0.381	0.0005	0.0127	0.00075	0.01905	0.00025	0.00635	72	182.88
XT	217519	0.040	1.016	0.0005	0.0127	0.0005	0.0127	0.00025	0.00635	72	182.88
XT	217524	0.0305	0.7747	0.0005	0.0127	0.0005	0.0127	0.00025	0.00635	72	182.88
XT	217521	0.0245	0.6223	0.0005	0.0127	0.0005	0.0127	0.00025	0.00635	72	182.88
XT	217527	0.020	0.508	0.0005	0.0127	0.0005	0.0127	0.00025	0.00635	72	182.88
XT	217526	0.017	0.432	0.0005	0.0127	0.0005	0.0127	0.00025	0.00635	72	182.88

Don't see the size or wall thickness you need? Contact your Territory or Account Manager today so we can develop your custom liner.



StreamLiner™ OTW

Sizes are available in metric and standard dimensions.

PTFE StreamLiner™ OTW Standard Capabilities									
Resin	ID	Inside Diameter		Nominal Wall Thickness		Wall Tolerances		Max Cut Length	
		in.	mm	in.	mm	in.	mm	in.	cm
PTFE	UT	0.013 - 0.020	0.330 - 0.508	0.0004	0.0102	0.0002	0.0051	86	218.44
PTFE	XT	0.013 - 0.040	0.330 - 1.016	0.0005	0.0127	0.00025	0.00635	86	218.44
PTFE	VT	0.013 - 0.0915	0.330 - 2.3241	0.00075	0.01905	0.00025	0.00635	86	218.44

StreamLiner™ OTW AVAILABLE - 72" SAMPLES									
ID	OPN	ID SIZES		ID TOLERANCE +/-		WALL		WALL TOLERANCE +/-	
		in.	mm	in.	mm	in.	mm	in.	mm
OTW VT	250740	0.0915	2.3241	0.0005	0.0127	0.00075	0.01905	0.00025	0.00635
OTW VT	250738	0.084	2.134	0.0005	0.0127	0.00075	0.01905	0.00025	0.00635
OTW VT	250731	0.079	2.007	0.0005	0.0127	0.00075	0.01905	0.00025	0.00635
OTW VT	250727	0.074	1.880	0.0005	0.0127	0.00075	0.01905	0.00025	0.00635
OTW VT	250706	0.071	1.803	0.0005	0.0127	0.00075	0.01905	0.00025	0.00635
OTW VT	250701	0.068	1.727	0.0005	0.0127	0.0007	0.0178	0.0002	0.00635
OTW VT	250699	0.064	1.626	0.0005	0.0127	0.0007	0.0178	0.0002	0.00635
OTW VT	250674	0.060	1.524	0.0005	0.0127	0.0007	0.0178	0.0002	0.00635
OTW VT	250651	0.055	1.397	0.0005	0.0127	0.0007	0.0178	0.0002	0.00635
OTW VT	250638	0.050	1.270	0.0005	0.0127	0.0007	0.0178	0.0002	0.00635
OTW VT	251109	0.045	1.143	0.0005	0.0127	0.0007	0.0178	0.0002	0.00635
OTW VT	251104	0.040	1.016	0.0005	0.0127	0.0006	0.0152	0.0002	0.00635
OTW VT	251089	0.035	0.889	0.0005	0.0127	0.0006	0.0152	0.0002	0.00635
OTW XT	251070	0.0275	0.6985	0.0005	0.0127	0.0005	0.0127	0.0002	0.00635
OTW XT	251060	0.0225	0.5715	0.0005	0.0127	0.0005	0.0127	0.0002	0.00635
OTW UT	251054	0.017	0.432	0.0005	0.0127	0.0004	0.0102	0.0002	0.0051
OTW UT	251046	0.014	0.356	0.0005	0.0127	0.0004	0.0102	0.0002	0.0051

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