



## PTFE/FEP

### DUAL WALL HEAT SHRINKABLE TUBING FEATURING A PTFE OUTER WALL WITH AN FEP INNER WALL

#### Applications

The high service temperature outer PTFE layer compresses the molten FEP inner layer material, creating a temporary liquid flow during application producing a vapor-tight seal.

#### Features

- ★ In stock for immediate shipments
- ★ Provides air and liquid tight encapsulations
- ★ Maximum longitudinal variation of +0% to -15%
- ★ Continuous operating temperature: -75 °C to +200 °C (-103 °F to +392 °F)
- ★ Highly heat-resistant
- ★ High resistance to chemicals and oils

#### Standards

- ★ Declared Dimension Life (DDL) - 12 years
- ★ Meets V-0 Flammability
- ★ RoHS & REACH Compliant

#### Specification Values – PTFE Outer Wall

Property		Test Method	Value
Physical	Specific Gravity (Max.)	ASTM D792	2.20
	Elongation (Min.)	ASTM D638	200%
	Tensile Strength (Min.)	ASTM D638	2500 psi
	Hardness Durometer	ASTM D2240	D-60
Electrical	Dielectric Strength	ASTM D149	1400 Volts/mil
	Volume Resistivity (Min.)	ASTM D257	10 <sup>18</sup> Ω · cm
General	Chemical/Solvent Resistance	-	Excellent
	Water Absorption (Max.)	ASTM D570	0.01
	Flammability Rating	UL 94	V-0

Rev. January 2024



Dunbar Products, LLC  
Tubing and Identification Products



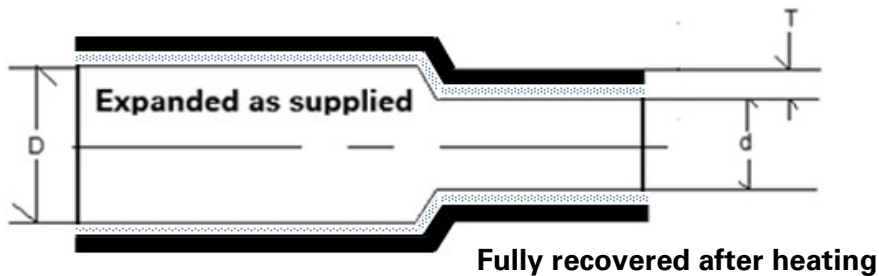
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### Specification Values – FEP Inner Wall

Property		Test Method	Value
Physical	Specific Gravity (Max.)	ASTM D792	2.15
	Elongation (Min.)	ASTM D638	200%
	Tensile Strength (Min.)	ASTM D638	2000 psi
	Hardness Durometer	ASTM D2240	D-55
Electrical	Dielectric Strength	ASTM D149	2000 Volts/mil
	Volume Resistivity (Min.)	ASTM D257	$10^{17} \Omega \cdot \text{cm}$
General	Chemical/Solvent Resistance	-	Excellent
	Water Absorption (Max.)	ASTM D570	0.01
	Flammability Rating	UL 94	V-0

### PTFE/FEP DUAL WALL HEAT SHRINKABLE TUBING



### Product Dimensions

Minimum Shrink Temperature: 360 °C

Size (Part #)	Expanded		Recovered			
	Internal Diameter (Minimum) (D)		Internal Diameter (Maximum) (d)		Total Wall Thickness (Nominal) (T)	
	in	mm	in	mm	in	mm
036 S	0.036	0.914	0	0	0.023	0.584
060 S	0.060	1.524	0	0	0.028	0.711
130 S	0.130	3.302	0	0	0.032	0.813
160 S	0.160	4.064	0	0	0.032	0.813
190 S	0.190	4.826	0.062	1.575	0.035	0.889
250 S	0.250	6.350	0.125	3.175	0.035	0.889
350 S	0.350	8.890	0.190	4.826	0.035	0.889
450 S	0.450	11.430	0.312	7.925	0.055	1.397
700 S	0.700	17.780	0.440	11.176	0.055	1.397
900 S	0.900	22.860	0.630	16.002	0.065	1.651

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