



FEP1.3

1.3:1 SHRINK RATIO, FLUORINATED ETHYLENE PROPYLENE TUBING

Applications

FEP1.3 is a flame retardant fluorinated ethylene propylene tube. The FEP1.3 works well as a protective sleeving and can be used to thoroughly encapsulate parts if required. It has a normal shrink ratio with a heavy wall.

Features

- ★ In stock for immediate shipments
- ★ Shrink ratio: 1.3:1 shrink ratio in radial direction, $\pm 15\%$ in the axial direction
- ★ Continuous operating temperature: $-75\text{ }^{\circ}\text{C}$ to $+200\text{ }^{\circ}\text{C}$ ($-103\text{ }^{\circ}\text{F}$ to $+392\text{ }^{\circ}\text{F}$)
- ★ 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

	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

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Dunbar Products, LLC
Tubing and Identification Products

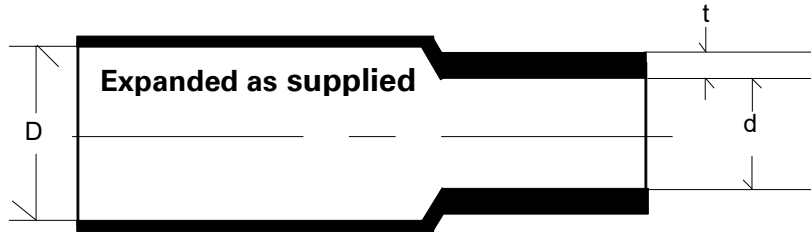


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Fully recovered after heating

Product Dimensions

Minimum Shrink Temperature: 210 °C
(over 1" Dia: 221 °C)

Size (nominal recovered)	Expanded		Recovered			
	Internal Diameter (Minimum) (D)		Internal Diameter (Maximum) (d)		Wall Thickness (Nominal) (t)	
	in	mm	in	mm	in	mm
AWG						
24	.031	.787	.027	.686	.008 ± .002	.203 ± .051
22	.036	.914	.032	.813	.008 ± .002	.203 ± .051
20	.045	1.14	.039	.991	.008 ± .002	.203 ± .051
18	.060	1.52	.049	1.25	.008 ± .002	.203 ± .051
16	.075	1.91	.061	1.55	.009 ± .002	.229 ± .051
14	.092	2.34	.072	1.83	.009 ± .002	.229 ± .051
12	.115	2.92	.089	2.26	.009 ± .002	.229 ± .051
10	.141	3.58	.114	2.90	.010 ± .003	.254 ± .076
9	.158	4.01	.124	3.15	.010 ± .003	.254 ± .076
8	.180	4.57	.143	3.63	.010 ± .003	.254 ± .076
7	.197	5.00	.158	4.01	.011 ± .004	.279 ± .102
6	.225	5.72	.180	4.57	.011 ± .004	.279 ± .102
5	.248	6.30	.198	5.03	.011 ± .004	.279 ± .102
4	.290	7.37	.226	5.74	.011 ± .004	.279 ± .102
3	.310	7.87	.249	6.32	.011 ± .004	.279 ± .102
2	.365	9.27	.280	7.11	.012 ± .004	.305 ± .102
1	.400	10.16	.311	7.90	.012 ± .004	.305 ± .102
0	.440	11.18	.349	8.86	.012 ± .004	.305 ± .102
Fractional						
3/8"	.500	12.70	.383	9.73	.015 ± .004	.381 ± .102
7/16"	.580	14.73	.448	11.38	.020 ± .004	.508 ± .102
1/2"	.666	16.92	.510	12.95	.020 ± .004	.508 ± .102
5/8"	.830	21.08	.637	16.18	.025 ± .004	.635 ± .102
3/4"	1.000	25.40	.764	19.41	.030 ± .004	.762 ± .102
7/8"	1.170	29.72	.891	22.63	.035 ± .004	.889 ± .102
1"	1.330	33.78	1.020	25.91	.035 ± .004	.889 ± .102
1-1/8"	1.500	38.10	1.145	29.08	.035 ± .004	.889 ± .102
1-1/4"	1.666	42.32	1.270	32.26	.035 ± .004	.889 ± .102
1-3/8"	1.833	46.56	1.390	35.31	.035 ± .004	.889 ± .102
1-1/2"	2.000	50.80	1.570	39.88	.035 ± .004	.889 ± .102

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