

FEP Heat Shrinkable Tubing

Series HS1.3FEP, HS1.6FEP

Lower shrink temperature than PTFE.

Supplied in expanded state, allowing for easy installation.

1.3/1 Heat Shrink Ratio

1.6/1 Heat Shrink Ratio

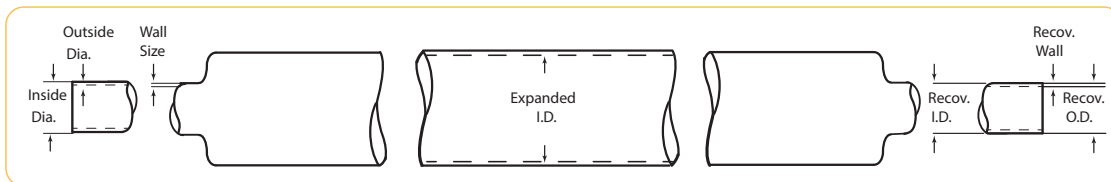


Features

- Easier to shrink than PTFE
- Chemically inert
- Low coefficient of friction
- Superior dielectric strength
- Good heat resistance
- Self extinguishing
- Non-wetting

Compliance

- ASTM D2902 Type II
- ASTM D3296
- Dimensionally compliant to AS23053/11
- 21 CFR 177.1550 Compliant
- USP Class VI Compliant



Notes

- Working Temperature: °F (-73°C) to 400°F (204°C)
- Shrink Temperature: 1" Dia. and below : 410°F (210°C) Over 1" Dia. : 430°F (221°C)
- *Dielectric Strength: > 2,000 v/m, per ASTM D 149 short term test of 10 MIL thickness (volts/mil)
- Available in stock packaging of 4-ft. straight lengths
- When ordering coiled tubing in colors, the color code is always followed by TC; when ordering cut lengths, the color code is followed by CC
i.e. HS1.3FEP24-2TC
i.e. HS1.3FEP24-OCC48.000

Order Information

Example: HS1.3FEP24-NT

HS1.3FEP24-NT – Heat Shrink Tubing

HS1.3FEP24-NT – Shrink Ratio (1:3)

HS1.3FEP24-NT – FEP

HS1.3FEP24-NT – Heat Shrink Size in AWG (AWG24)

HS1.3FEP24-NT – Natural

HS1.3FEP24-NT – Bulk Tubing - Coil

Colors

- ○ Standard is natural
- Colors available as custom run

Color Code			Color Code		
○	N	Natural	●	5	Green
●	0	Black	●	6	Blue
●	1	Brown	●	7	Violet
●	2	Red	●	8	Gray
●	3	Orange	○	9	White
●	4	Yellow			

Order Information

Example: HS1.6FEP3/32-NC48.000

HS1.6FEP3/32-NC48.000 – Heat Shrink Tubing

HS1.6FEP3/32-NC48.000 – Shrink Ratio (1.67:1)

HS1.6FEP3/32-NC48.000 – FEP

HS1.6FEP3/32-NC48.000 – Heat Shrink Size in inches (3/32")

HS1.6FEP3/32-NC48.000 – Natural

HS1.6FEP3/32-NC48.000 – Cut Tubing

HS1.6FEP3/32-NC48.000 – Cut length in inches (48")



WARNING

This product can expose you to chemicals including Tetrafluoroethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

FEP Heat Shrinkable Tubing

Series HS1.3FEP, HS1.6FEP

Series HS1.3FEP - 1.3:1 AWG & Fractional Heat Shrink Tubing

Part Number	Mil Spec Part Number	Order Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Nominal Recovered Wall		Weight	
			inch	mm	inch	mm	inch	mm	lb/ft	kg/mtr
HS1.3FEP24	M23053/11-101-*	AWG24	0.031	0.79	0.027	0.69	0.008 ± 0.002	0.20 ± 0.05	0.0008	0.0012
HS1.3FEP22	M23053/11-102-C	AWG22	0.036	0.91	0.032	0.81	0.008 ± 0.002	0.20 ± 0.05	0.0009	0.0013
HS1.3FEP20	M23053/11-103-C	AWG20	0.045	1.14	0.039	0.99	0.008 ± 0.002	0.20 ± 0.05	0.0011	0.0016
HS1.3FEP18	M23053/11-104-C	AWG18	0.060	1.52	0.049	1.25	0.008 ± 0.002	0.20 ± 0.05	0.0013	0.0019
HS1.3FEP16	M23053/11-105-C	AWG16	0.075	1.90	0.061	1.55	0.009 ± 0.002	0.23 ± 0.05	0.0018	0.0027
HS1.3FEP14	M23053/11-106-C	AWG14	0.092	2.34	0.072	1.83	0.009 ± 0.002	0.23 ± 0.05	0.0021	0.0031
HS1.3FEP12	M23053/11-107-C	AWG12	0.115	2.92	0.089	2.26	0.009 ± 0.002	0.23 ± 0.05	0.0026	0.0039
HS1.3FEP10	M23053/11-108-C	AWG10	0.141	3.58	0.114	2.90	0.010 ± 0.003	0.25 ± 0.08	0.0036	0.0054
HS1.3FEP09	M23053/11-109-C	AWG09	0.158	4.01	0.124	3.15	0.010 ± 0.003	0.25 ± 0.08	0.0039	0.0058
HS1.3FEP08	M23053/11-110-C	AWG08	0.180	4.57	0.143	3.63	0.010 ± 0.003	0.25 ± 0.08	0.0045	0.0067
HS1.3FEP07	M23053/11-111-C	AWG07	0.197	5.00	0.158	4.01	0.011 ± 0.004	0.28 ± 0.10	0.0054	0.0080
HS1.3FEP06	M23053/11-112-C	AWG06	0.225	5.72	0.180	4.57	0.011 ± 0.004	0.28 ± 0.10	0.0061	0.0091
HS1.3FEP05	M23053/11-113-C	AWG05	0.248	6.30	0.198	5.03	0.011 ± 0.004	0.28 ± 0.10	0.0067	0.0100
HS1.3FEP04	M23053/11-114-C	AWG04	0.290	7.37	0.226	5.74	0.011 ± 0.004	0.28 ± 0.10	0.0076	0.0113
HS1.3FEP03	M23053/11-115-C	AWG03	0.310	7.87	0.249	6.32	0.011 ± 0.003	0.28 ± 0.10	0.0084	0.0125
HS1.3FEP02	M23053/11-116-C	AWG02	0.365	9.27	0.280	7.11	0.012 ± 0.004	0.31 ± 0.10	0.0103	0.0153
HS1.3FEP01	M23053/11-117-C	AWG01	0.400	10.2	0.311	7.90	0.012 ± 0.004	0.31 ± 0.10	0.0113	0.0168
HS1.3FEP00	M23053/11-118-C	AWG00	0.440	11.2	0.349	8.86	0.012 ± 0.004	0.31 ± 0.10	0.0127	0.0189
HS1.3FEP3/8	M23053/11-119-C	3/8	0.500	12.7	0.383	9.7	0.015 ± 0.004	0.38 ± 0.10	0.018	0.026
HS1.3FEP7/16	M23053/11-120-C	7/16	0.580	14.7	0.448	11.4	0.020 ± 0.004	0.51 ± 0.10	0.030	0.044
HS1.3FEP1/2	M23053/11-121-C	1/2	0.666	16.9	0.510	13.0	0.020 ± 0.004	0.51 ± 0.10	0.031	0.046
HS1.3FEP5/8	M23053/11-122-C	5/8	0.830	21.1	0.637	16.2	0.025 ± 0.004	0.64 ± 0.10	0.048	0.072
HS1.3FEP3/4	M23053/11-123-C	3/4	1.000	25.4	0.764	19.4	0.030 ± 0.004	0.76 ± 0.10	0.070	0.104
HS1.3FEP7/8	M23053/11-124-C	7/8	1.170	29.7	0.891	22.6	0.035 ± 0.004	0.89 ± 0.10	0.095	0.141
HS1.3FEP1.00	M23053/11-126-C	1	1.330	33.8	1.020	25.9	0.035 ± 0.004	0.89 ± 0.10	0.108	0.161
HS1.3FEP1.13	M23053/11-133-C	1-1/8	1.500	38.1	1.145	29.1	0.035 ± 0.004	0.89 ± 0.10	0.121	0.180
HS1.3FEP1.25	M23053/11-134-C	1-1/4	1.666	42.3	1.270	32.3	0.035 ± 0.004	0.89 ± 0.10	0.134	0.199
HS1.3FEP1.38	M23053/11-135-C	1-3/8	1.833	46.6	1.390	35.3	0.035 ± 0.004	0.89 ± 0.10	0.146	0.217
HS1.3FEP1.50	M23053/11-136-C	1-1/2	2.000	50.8	1.520	38.6	0.035 ± 0.004	0.89 ± 0.10	0.159	0.237

Series HS1.6FEP - 1.67:1 Heat Shrink Tubing

Part Number	Mil Spec Part Number	Order Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Nominal Recovered Wall		Weight	
			inch	mm	inch	mm	inch	mm	lb/ft	kg/mtr
HS1.6FEP3/32	M23053/11-201-C	3/32	0.093	2.36	0.056	1.42	0.008 ± 0.003	0.20 ± 0.08	0.0015	0.0022
HS1.6FEP1/8	M23053/11-202-C	1/8	0.125	3.18	0.075	1.90	0.010 ± 0.003	0.25 ± 0.08	0.0025	0.0037
HS1.6FEP3/16	M23053/11-203-C	3/16	0.188	4.78	0.115	2.92	0.010 ± 0.003	0.25 ± 0.08	0.0037	0.0055
HS1.6FEP1/4	M23053/11-204-C	1/4	0.250	6.35	0.150	3.81	0.010 ± 0.003	0.25 ± 0.08	0.0047	0.0070
HS1.6FEP3/8	M23053/11-205-C	3/8	0.375	9.52	0.225	5.72	0.012 ± 0.003	0.31 ± 0.08	0.0083	0.0124
HS1.6FEP1/2	M23053/11-206-C	1/2	0.500	12.70	0.300	7.62	0.015 ± 0.004	0.38 ± 0.10	0.0138	0.0205
HS1.6FEP3/4	M23053/11-207-C	3/4	0.750	19.10	0.450	11.40	0.020 ± 0.004	0.51 ± 0.10	0.0275	0.0409
HS1.6FEP1.00	M23053/11-208-C	1	1.000	25.40	0.600	15.20	0.025 ± 0.005	0.64 ± 0.13	0.0457	0.0680
HS1.6FEP1.50	M23053/11-209-C	1-1/2	1.500	38.10	0.900	22.90	0.030 ± 0.005	0.76 ± 0.13	0.0817	0.1216
HS1.6FEP2.00	M23053/11-210-C	2	2.000	50.80	1.200	30.50	0.030 ± 0.005	0.76 ± 0.13	0.1080	0.1607



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