

MFA TUBING

MFA tubing is made from one of the youngest fluoropolymer materials, enjoying very similar characteristics to that of PFA and PTFE including resistance to almost all known chemicals. One of the most interesting characteristics of MFA tubing is its optical clarity exhibiting very low haze values with extremely high values of transmittance both in the visible and UV spectrums.

Key Features of MFA Tubing:

- ⦿ Exceptional stress crack resistance
- ⦿ Excellent flex-life
- ⦿ Very smooth internal surfaces
- ⦿ High optical clarity
- ⦿ UV light transparency
- ⦿ Serviceable up to 225°C (437°F)
- ⦿ Excellent chemical resistance
- ⦿ High quality alternative to FEP
- ⦿ Low permeation characteristic
- ⦿ Ideal wire & cable insulator
- ⦿ UL94 V-O flammability rating, LOI 95%



Availability of MFA Tubing:

- ⦿ Long continuous lengths on spools or in coils
- ⦿ Available as Multihose
- ⦿ Ready assembled with connectors
- ⦿ Straight pieces with clean, square cuts
- ⦿ Thermoformed into custom 2D & 3D shapes

MFA Tubing - Standard Metric Sizes:

ID	ID tol. +/-	OD	OD tol. +/-	W	MBR
1.00	0.10	2.00	0.10	0.50	8
2.00	0.10	4.00	0.10	1.00	16
2.50	0.10	4.00	0.10	0.75	22
3.00	0.10	4.00	0.10	0.50	32
4.00	0.10	6.00	0.10	1.00	36
5.00	0.15	8.00	0.15	1.50	43
6.00	0.10	8.00	0.10	1.00	64
8.00	0.10	10.00	0.10	1.00	100
9.00	0.15	12.00	0.15	1.50	96
10.00	0.15	12.00	0.15	1.00	144

MBR=minimum bend radius (mm)

MFA Tubing - Standard Imperial Sizes:

ID	ID (mm)	ID tol.+/- (mm)	OD	OD (mm)	OD tol. +/- (mm)	W (mm)	MBR
1/32"	0.79	0.10	1/16"	1.59	0.10	0.40	7
1/16"	1.59	0.10	1/8"	3.18	0.10	0.79	13
1/8"	3.18	0.15	1/4"	6.35	0.15	1.59	26
5/32"	3.97	0.15	1/4"	6.35	0.15	1.19	34
3/16"	4.76	0.10	1/4"	6.35	0.10	0.79	51
1/4"	6.35	0.15	3/8"	9.53	0.15	1.59	57
3/8"	9.53	0.20	1/2"	12.70	0.20	1.59	102
1/2"	12.70	0.20	5/8"	15.88	0.20	1.59	159
5/8"	15.88	0.25	3/4"	19.05	0.25	1.59	228
7/8"	22.22	0.30	1"	25.40	0.30	1.59	311

MBR=minimum bend radius (mm)

Although the size range above satisfies most applications, many more sizes and custom dimensions are possible to suit your specific needs.

Get in touch with Polyflon to discuss your requirements. Call us on [+44 \(0\)1785 859 054](tel:+441785859054) or email us at info@polyflon.co.uk