



EJ BioMed
An Eldon James Company

Cleanroom Manufactured

MFX
Flexible TPE
Biomedical Tubing

USP Class VI
Low Extractables

Flexelene™ MFX

Medical Device / Pharmaceutical ~ Flexible non-allergenic tubing

MFX • MFX73M • MFX82M • MFX92R

Thermoplastic Elastomer Alloy

- No animal derived components
- USP Class VI, FDA compliant, ISO 10993-5, USP <661>
- Ultra-low extractables / leachables
- Shore A hardness range 58, 73, 82, 92
- MFX • MFX73M • MFX82M • MFX92R: -57 °C to +121 °C (steam autoclavable)
- Sterilization: Gamma tested to 25 kGy, EtO and E-beam
- Materials contain no PVC, DEHP phthalates or other plasticizers
- Heat-sealable
- Latex and oil free

Eldon James

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Flexelene MFX

TPE Thermoplastic Biomedical Alloy

USP Class VI

USP <661>

ISO 10993-5

- Laser etched with part and size identification • Custom etching options include material lot number for traceability or no etching.

Tube Number					ID	OD Nominal	Wall	Roll Size		
MFX	MFX73M	MFX82M	MFX92R	.5-2	1/32"	.0312"	1/8"	.125"	3/64"	50 ft.
MFX	MFX73M	MFX82M	MFX92R	1-2	1/16"	.0625"	1/8"	.125"	1/32"	50 ft.
MFX	MFX73M	MFX82M	MFX92R	1.5-2.5	3/32"	.0937"	5/32"	.156"	1/32"	50 ft.
MFX	MFX73M	MFX82M	MFX92R	2-4	1/8"	.125"	1/4"	.250"	1/16"	50 ft.
MFX	MFX73M	MFX82M	MFX92R	3-4	3/16"	.187"	1/4"	.250"	1/32"	50 ft.
MFX	MFX73M	MFX82M	MFX92R	3-5	3/16"	.187"	5/16"	.312"	1/16"	50 ft.
MFX	MFX73M	MFX82M	MFX92R	4-6	1/4"	.265"	3/8"	.390"	1/16"	50 ft.
MFX	MFX73M	MFX82M	MFX92R	5-7	5/16"	.323"	7/16"	.448"	1/16"	50 ft.
MFX	MFX73M	MFX82M	MFX92R	6-8	3/8"	.385"	1/2"	.510"	1/16"	50 ft.
MFX	MFX73M	MFX82M	MFX92R	8-10	1/2"	.510"	5/8"	.635"	1/16"	50 ft.
MFX	MFX73M	MFX82M	MFX92R	10-14	5/8"	.635"	7/8"	.885"	1/8"	50 ft.
MFX	MFX73M	MFX82M	MFX92R	12-16	3/4"	.760"	1"	1.010"	1/8"	50 ft.
MFX	MFX73M	MFX82M	MFX92R	16-20	1"	1.010"	1 1/4"	1.260"	1/8"	50 ft.

Temp. Range: Working high temperature under pressure will be lower than what is stated in table below

*MFX -57 °C to +121 °C (-70 °F to +250 °F) • Shore A 58 hardness

*MFX73M -57 °C to +121 °C (-70 °F to +250 °F) • Shore A 73 hardness

*MFX82M -57 °C to +121 °C (-70 °F to +250 °F) • Shore A 82 hardness

*MFX92R -57 °C to +121 °C (-70 °F to +250 °F) • Shore A 92 hardness



Note: *If under stress, tubing may deform during steam sterilization cycles.

Autoclavable to 121 °C

Materials Comply with FDA 21 CFR 177.2600(C) and 21 CFR 1771820(b)

Thermally weldable

Gamma, EtO & Beta sterilization

*Steam autoclavable

Heat-sealable

Ultra -low extractables / leachables

Latex free

Non-cytotoxic

Chemical resistant

No DEHP or phthalates

Non-allergenic

Contains no Bisphenol-A, PVC, or vinyl acetate



Animal Derivative Free Components

RoHS Compliant



ISO 9001 Quality System

MFXAG (Antimicrobial Protected Tubing) in ID sizes to 3/4" - Please call for details

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