



Mandals Flexitex is a heavily reinforced fluid transfer hose series with long track record. The versatile design and high-quality rubber have made it popular across many applications worldwide.

The Flexitex series is comprised of Standard and Extra. Extra is thicker than Standard.

Primary Uses & Applications

- Feeder hose for any type of water transfer application.
- General water transfer hose for non-flammable liquids in construction, mining and industry.
- Supply hose for irrigation.
- Feeder hose for slurry systems.
- Drill water supply.
- Used as a flexible pipeline for industrial firefighting teams.

Features

- Highly durable.
- Light weight and easy to deploy and retrieve.
- Adapts well to the terrain and can be routed around obstacles.
- Minimum axial elongation and snaking.
- Field proven hose with a long track record.

Construction

- A high tensile polyester reinforcement jacket enveloped by a high-grade blend of nitrile rubber and PVC lining and cover material resistant to many chemicals, ozone, UV, and abrasion.
- The rubber blend is extruded through a circular woven reinforcement made from filament polyester yarn.
- A strong bond between cover and lining prevents delamination, as well as firmly encapsulating the reinforcing polyester.

Properties

- Lengths up to 200 meters.
- Color options: Black (standard).
- Different coupling options available.
- Operating temperature normal grade: -30°C to +60°C ( -22°F to +140°F)
- Operating temperature tropical grade: -20°C to +75°C ( -4°F to +167°F), with intermittent use up to +80°C (+176°F).

Flexitex Standard

Article Number		Inner Diameter <sup>1</sup>		Wall Thickness		Weight		Maximum Working Pressure <sup>2</sup>		Burst Pressure		Nom. Tensile Strength <sup>3</sup>	
Normal	Tropical	inch	mm	inch	mm	lbs/ft	kg/m	psi	bar	psi	bar	X1000 lbs	X1000 kg
AFS051		2	51	0.09	2.2	0.29	0.43	330	23	665	46	8.4	3.8
AFS065		2 1/2	65	0.09	2.2	0.36	0.53	330	23	665	46	9.3	4.2
AFS076		3	76	0.10	2.5	0.49	0.73	330	23	665	46	11.5	5.2
AFS090		3 1/2	90	0.11	2.7	0.67	1.00	305	21	610	42	17.6	8.0
AFS102		4	102	0.11	2.7	0.74	1.10	290	20	580	40	25.1	11.4
KFS127		5	127	0.12	3.0	1.01	1.53	305	21	610	42	32.2	14.6
KFS150		6	150	0.14	3.5	1.24	1.85	265	18	535	37	35.5	16.1
	KFT152	6	152	0.14	3.6	1.31	1.95	305	21	610	42	37.5	17.0

Flexitex Extra

Article Number		Inner Diameter <sup>1</sup>		Wall Thickness		Weight		Maximum Working Pressure <sup>2</sup>		Burst Pressure		Nom. Tensile Strength <sup>3</sup>	
Normal	Tropical	inch	mm	inch	mm	lbs/ft	kg/m	psi	bar	psi	bar	X1000 lbs	X1000 kg
MFX076	MFT076	3	76	0.12	3.1	0.64	0.95	360	25	720	50	20.1	9.1
MFX090	MFT090	3 1/2	90	0.13	3.3	0.79	1.18	320	22	640	44	22.3	10.1
MFX102	MFT102	4	102	0.13	3.3	0.80	1.20	290	20	580	40	25.1	11.4
MFX114	MFT114	4 1/2	114	0.13	3.4	1.04	1.55	250	17	505	35	27.6	12.5
KFX127	KFT127	5	127	0.14	3.6	1.15	1.71	305	21	610	42	34.7	15.7
KFX150		6	150	0.15	3.8	1.41	2.10	305	21	610	42	37.5	17.0
KFX152		6	152	0.15	3.8	1.43	2.13	305	21	610	42	37.5	17.0

**Note:** <sup>1</sup>Tolerance range based on ISO1307 Type C. <sup>2</sup>Values are for hose only; allowed working pressure can not exceed coupling pressure rating. For questions about chemical resistance please check mandals.com/support. <sup>3</sup>Calculated value. Use a reduction factor of 0.75 for realistic maximum tensile strength values.