
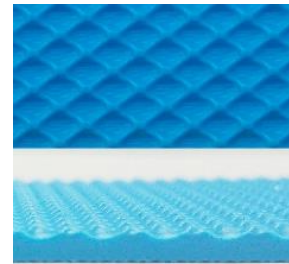
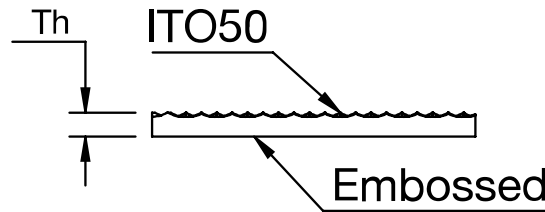


FEMB-ITO50

Flat Belt, Bottom-Embossed, Top-ITO50 (Impression Top Oval)

Material:	Volta MB
Color (Indicative only)	Blue 
Hardness:	95A/46D
Temp. Range (C°):	-30°C to 70°C
Temp. Range (F°):	-20°F to 158°F
Certification:	FDA/ USDA/USDA Dairy/EU Approved

Coefficient of friction (Dry):	
Belt Embossed Bottom -Steel:	0.25



Product:		FEMB-2-ITO50	FEMB-2.5-ITO50	FEMB-3-ITO50	FEMB-5-ITO50
Belt Thickness (mm)		2	2.5	3	5
Belt Weight (kg/ m ²):		2.1	2.6	3.3	5.02
Belt Weight (lb/ ft ²):		0.43	0.52	0.68	1.03
Belt Min Pulley Diameter (mm)-Normal Flex		30	35	40	70
Belt Min Pulley Diameter (mm)-Back Flex		30	35	40	70
Belt Min Pulley Diameter (Inch)-Normal Flex		1 ³ / ₁₆	1 ³ / ₈	1 ⁵ / ₈	2 ³ / ₄
Belt Min Pulley Diameter (Inch)-Back Flex		1 ³ / ₁₆	1 ³ / ₈	1 ⁵ / ₈	2 ³ / ₄
Max. Workload (Kg/cm)		5.8	7.4	9.3	14.08
Max. Workload (lb/inch)		32.48	41.44	52.08	82.88
Pull Force* (kg/cm width) at pretension of:	0.5%	0.3	0.37	0.47	0.74
	1%	0.6	0.74	0.94	1.48
	1.5%	0.9	1.1	1.41	2.2
	2%	1.2	1.48	1.88	2.96
	3%	1.8	2.22	2.82	4.44
Pull Force* (lb/inch width) at pretension of:	0.5%	1.68	2.1	2.63	4.2
	1%	3.36	4.2	5.26	8.4
	1.5%	5.04	6.3	7.9	12.6
	2%	6.72	8.4	10.52	16.8
	3%	10.08	12.6	15.78	25.2
Electrode Splicing	EVMB 7	✓	✓	-	-
	EVMB 9	-	✓	✓	✓

- *Pull force – According to “Temperature Correction Factor”.

Belt material	Temperature Correction Factor						
	40°C/ 104°F	45°C/ 113°F	50°C/ 122°F	55°C/ 131°F	60°C/ 140°F	65°C/ 149°F	70°C/ 158°F
MB – 95A/46D Shore	1	0.98	0.95	0.9	0.87	0.8	0.7

- Pull Force relates to Steel pulleys. Multiply given values by 0.9 for Cast Iron, 1.1 for Rubber and 0.8 for wet smooth drums.
- English dimensions have been converted from Metric measurements.
- All values are nominated and to the best of our experience are true and accurate.