
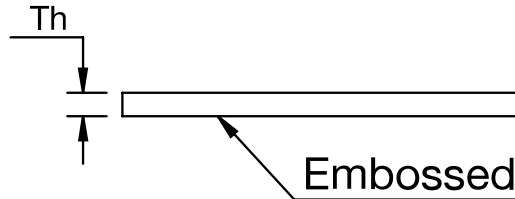


**FEMB**

**Flat Belt, Bottom-Embossed, Top-Smooth**

Material:	<b>Volta MB</b>
Color (Indicative only)	<b>Blue</b> 
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 Smooth Top -Steel:	0.40
Belt Embossed Bottom -Steel:	0.25



Product:		FEMB-1.6	FEMB-2	FEMB-2.5	FEMB-3	FEMB-4
Belt Thickness (mm)		1.6	2	2.5	3	4
Belt Weight (kg/ m <sup>2</sup> ):		2	2.5	3.1	3.6	5
Belt Weight (lb/ ft <sup>2</sup> ):		0.4	0.5	0.62	0.74	1
Belt Min Pulley Diameter (mm)-Normal Flex		24	30	35	40	60
Belt Min Pulley Diameter (mm)-Back Flex		24	30	35	40	60
Belt Min Pulley Diameter (Inch)-Normal Flex		15 <sup>16</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>8</sub>	1 <sup>5</sup> / <sub>8</sub>	2 <sup>3</sup> / <sub>8</sub>
Belt Min Pulley Diameter (Inch)-Back Flex		15 <sup>16</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>8</sub>	1 <sup>5</sup> / <sub>8</sub>	2 <sup>3</sup> / <sub>8</sub>
Max. Workload (Kg/cm)		6.4	8	10	12	16
Max. Workload (lb/inch)		36	45	56	67	90
Pull Force* (kg/cm width) at pretension of:	0.5%	0.3	0.4	0.5	0.6	0.8
	1%	0.6	0.8	1	1.2	1.6
	1.5%	1	1.2	1.5	1.8	2.4
	2%	1.3	1.6	2	2.4	3.3
	2.5%	1.6	2	2.5	3.1	4.1
	3%	1.9	2.4	3	3.7	4.9
Pull Force* (lb/inch width) at pretension of:	0.5%	1.8	2.2	2.8	3.35	4.6
	1%	3.6	4.5	5.6	6.8	9.2
	1.5%	5.4	6.7	8.4	10.3	13.7
	2%	7.2	9	11.2	13.7	18.4
	2.5%	8.9	11.2	14	17.3	23
	3%	10.8	13.5	16.8	20.6	27.4
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.