
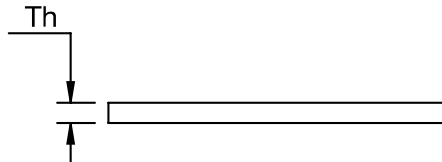


FMB-LT

Flat Belt, Bottom-Smooth, Top-Smooth, Low Temperature Belt

Material:	Volta MB-LT	
Color (Indicative only)	Blue 15	
Hardness:	95A/46D	
Temp. Range (C°):	-30°C to 70°C	
Temp. Range (F°):	-20°F to 158°F	
Certification:	FDA/ EU Approved	

Coefficient of friction (Dry):	
Steel:	0.36
Aluminum:	0.55
Rubber:	0.30
UHMW:	0.30



Product:		FMB-3-LT	FMB-4-LT	FMB-5-LT	FMB-6-LT
Belt Thickness (mm)		3	4	5	6
Belt Weight (kg/ m ²):		3.5	4.6	5.75	6.9
Belt Weight (lb/ ft ²):		0.72	0.94	1.17	1.41
Belt Min Pulley Diameter (mm)-Normal Flex		40	60	80	90
Belt Min Pulley Diameter (mm)-Back Flex		40	60	80	90
Belt Min Pulley Diameter (Inch)-Normal Flex		1 5/8	2 3/8	3 1/8	3 35/64
Belt Min Pulley Diameter (Inch)-Back Flex		1 5/8	2 3/8	3 1/8	3 35/64
Max. Workload (Kg/cm)		8	10.6	13.3	16
Max. Workload (lb/inch)		45	59	74	90
Pull Force* (kg/cm width) at pretension of:	0.5%	0.6	0.8	1	1.2
	1%	1.2	1.6	2	2.4
	1.5%	1.8	2.4	3	3.6
	2%	2.4	3.2	4	4.8
	2.5%	3	4	5	6
	3%	3.6	4.8	6	7.2
Pull Force* (lb/inch width) at pretension of:	0.5%	3.3	4.5	5.6	6.8
	1%	6.7	9	11.2	13.5
	1.5%	10	13.5	16.8	20.2
	2%	13.4	18	22.4	27
	2.5%	16.8	22.5	28	33.7
	3%	20.1	27	33.6	40.5
Electrode Splicing	EVMB-7 LT	-	-	-	NR
	EVMB-9 LT	✓		✓	NR

- *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-LT– 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.
- NR- Electrode welding not recommended for belt thicker than 5mm.FBW tool splicing is advisable.**