

FRPZ Flat, Reinforced Belt

Material:	Volta PZ, Dark Green
Hardness:	86A
Standard Belt Width:	60" / 1524mm
Temp. Range:	- 30°C to 50°C / -20°F to 120°F

Coefficient of friction (Steel):	
Belt Smooth Top:	0.60
Belt Reinforced Bottom:	0.20

TYPE		FRPZ-2	FRPZ-3	FRPZ-4	FRPZ-6	FRPZ-8*	FRPZ-10*	
Reinforcement		E-100-AS	E-100-AS	E-100-AS	E-100-AS	E-100-AS	E-100-AS	
Thickness	mm	2	3	4	6	8	10	
Weight	kg/m ²	2.5	3.6	4.8	7.3	9.7	11.7	
	lb/ft ²	0.5	0.75	1.0	1.5	2.0	2.5	
Minimum Pulley:	mm	Normal Flex	20	30	40	80	100	125
		Back Flex	40	60	80	150	200	250
	Inch	Normal Flex	¾	1 ³/₁₆	1 ½	3 ½	4	5
		Back Flex	1 ⅝	2 ⅜	3 ⅛	6	8	10
Ultimate Strength	Kg/cm	100	105	110	120	130	140	
	lb/inch	560	588	616	672	728	784	
Ultimate Elongation	%	16	16	16	16	16	16	
Pull Force (kg/cm) at pretension of: ⁽³⁾	0.5%	2.6	2.8	3.0	3.4	3.8	4.3	
	1.0%	5.2	5.6	6	6.8	7.6	8.6	
	1.2%	6.2	6.7	7.2	8.1	9.1	11.4	
Pull Force (lb/in) at pretension of: ⁽³⁾	0.5%	14.56	15.68	16.8	19.04	21.28	26.6	
	1.0%	29.12	31.36	33.6	38.08	42.56	53.2	
	1.2%	34.72	37.52	40.32	45.36	50.96	63.7	
Electrode Splicing	EVZ-7	✓	-	-	*	*	*	
	EVZ-9	-	✓	✓	*	*	*	

Notes:

- 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.
 - All values are nominal and to the best of our experience are true and accurate.
 - Recommended only when splice angle is greater than 17°.
- * Non Standard.

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