

Elastic round belts

E-RB-F

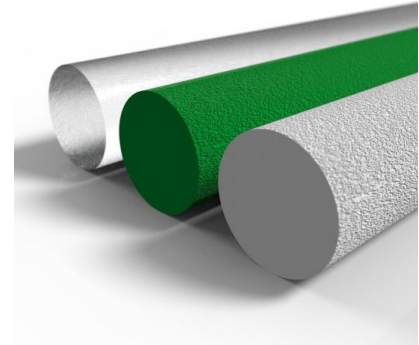


Main application

Live roller drive belt, Power transmission belt

Description

Elastic, Monolithic Belt, Flexibility in all directions



Product data

Technical data	
Material type	TPU Polyester
Hardness	85 ShA
Temperature correction factor	0.85
Min. operating temperature admissible (continuous)	-10 °C
Max. operating temperature admissible (continuous)	60 °C
Coefficient of friction on steel	0.40

Code	Item number	Color	Food grade	DoC Name	Ø	Weight	
						mm	kg/m
E-RB03-FW-C300	H090031143	White	Yes	FW	3	0.01	0.01
E-RB04-FW-C250	H090031144	White	Yes	FW	4	0.02	0.01
E-RB05-FT-C250	H950028470	Transparent	Yes	FT	5	0.02	0.02
E-RB05-FW-C250	H090031145	White	Yes	FW	5	0.02	0.01
E-RB06-FW-C250	H090031146	White	Yes	FW	6	0.03	0.02
E-RB07-FW-C200	H090031147	White	Yes	FW	7	0.05	0.03
E-RB08-FT-C200	H950028531	Transparent	Yes	FT	8	0.06	0.04
E-RB08-FW-C200	H090031148	White	Yes	FW	8	0.06	0.04
E-RB10-FW-C100	H090031149	White	Yes	FW	10	0.09	0.06
E-RB12-FW-C100	H090031150	White	Yes	FW	12	0.14	0.09
E-RB15-FW-C50	H090031151	White	Yes	FW	15	0.21	0.14
E-RB18-FG-C50	H950028697	Green	Yes	FG	18	0.31	0.20

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554). Limited representative testing based on a standard configuration is carried out to estimate minimum pulley diameters. Please contact Habasit for specific guidance regarding non-standard applications, including, but not exclusively, when profiles or cleats are used, or if the belt working temperature is close to the limits listed in this document.

Code	Tensile force for 8% elongation (k8% static) (Habasit Standard SOP3-155 / EN ISO 21181):	Tensile force for 8% elongation after relaxation (k8% relaxed) (Habasit Standard SOP3-155 / EN ISO 21181):	Nominal peripheral force	Pulley diameter (minimum)
	N	N	N	mm
E-RB03-FW-C300	13	9	15	30
E-RB04-FW-C250	23	15	27	40
E-RB05-FT-C250	36	24	42	50
E-RB05-FW-C250	36	24	42	50
E-RB06-FW-C250	52	34	61	60
E-RB07-FW-C200	70	46	83	70
E-RB08-FT-C200	92	61	108	80
E-RB08-FW-C200	92	61	108	80
E-RB10-FW-C100	143	95	169	100
E-RB12-FW-C100	206	136	244	120
E-RB15-FW-C50	322	213	381	150
E-RB18-FG-C50	464	307	548	180

Chemical resistance

Link to 'Chemical resistance information': <https://rims.habasit.com>

Recommendation

General dimensional tolerance: $\pm 3\%$ or ± 0.20 mm (whichever is greater).

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