

Elastic round belts

E-RB-F+S

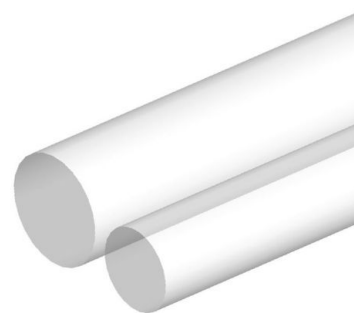


Main application

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
Geometry option	Smooth
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	lbs/ft
E-RB04-FT-C250+S	H950028403	Transparent	Yes	FT	4	0.02	0.01
E-RB05-FT-C250+S	H950028471	Transparent	Yes	FT	5	0.02	0.01
E-RB06-FT-C250+S	H950028502	Transparent	Yes	FT	6	0.03	0.02
E-RB08-FT-C200+S	H950028532	Transparent	Yes	FT	8	0.06	0.04
E-RB10-FT-C100+S	H950028571	Transparent	Yes	FT	10	0.09	0.06
E-RB12-FT-C100+S	H950028611	Transparent	Yes	FT	12	0.14	0.09
E-RB15-FT-C50+S	H950028663	Transparent	Yes	FT	15	0.21	0.14

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-RB04-FT-C250+S	23	15	27	40
E-RB05-FT-C250+S	36	24	42	50
E-RB06-FT-C250+S	52	34	61	60
E-RB08-FT-C200+S	92	61	108	80
E-RB10-FT-C100+S	143	95	169	100
E-RB12-FT-C100+S	206	136	244	120
E-RB15-FT-C50+S	322	213	381	150

Chemical resistance

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

Recommendation

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

Disclaimer

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