

Extruded round belts

E-RB-F+S

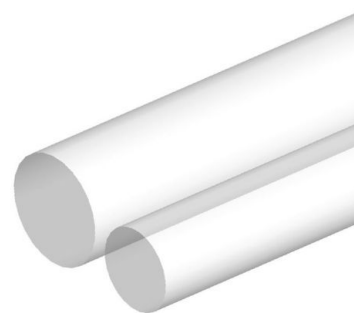


Main application

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 Shore A
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	inch	kg/m	lbs/ft
E-RB04-FT-C250+S	H950028403	Transparent	Yes	FT	4	0.157	0.02	0.01
E-RB05-FT-C250+S	H950028471	Transparent	Yes	FT	5	0.197	0.02	0.01
E-RB05-FTY-C250+S	H950046602	Translucent Yellow	No	-	5	0.197	0.02	0.01
E-RB06-FT-C250+S	H950028502	Transparent	Yes	FT	6	0.236	0.03	0.02
E-RB08-FT-C200+S	H950028532	Transparent	Yes	FT	8	0.315	0.06	0.04
E-RB10-FT-C100+S	H950028571	Transparent	Yes	FT	10	0.394	0.09	0.06
E-RB12-FT-C100+S	H950028611	Transparent	Yes	FT	12	0.472	0.14	0.09
E-RB15-FT-C50+S	H950028663	Transparent	Yes	FT	15	0.591	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.

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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-RB05-FTY-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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