

Elastic round belts

E-RB-K+S

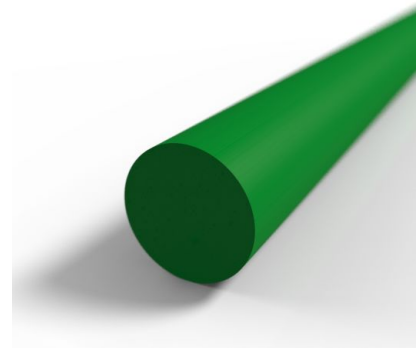


Main application

Live roller drive belt, Power transmission belt

Description

Elastic, Monolithic Belt, Abrasion resistant, Flexibility in all directions, Simple and fast joining method, Smooth and pore-free belt surface



Product data

Technical data	
Material type	TPU Polyester
Hardness	90 ShA
Geometry option	Smooth
Temperature correction factor	0.85
Min. operating temperature admissible (continuous)	-20 °C
Max. operating temperature admissible (continuous)	50 °C
Coefficient of friction on steel	0.40

Code	Item number	Color	Food grade	Ø	Weight	
					mm	kg/m
E-RB05-KG-C250+S	H090031367	Green	No	5	0.02	0.01
E-RB06-KG-C250+S	H090031372	Green	No	6	0.03	0.02
E-RB08-KG-C200+S	H090031368	Green	No	8	0.06	0.04
E-RB10-KG-C100+S	H090031370	Green	No	10	0.09	0.06
E-RB12-KG-C100+S	H090031371	Green	No	12	0.13	0.09
E-RB1/4-KG-C250+S	S090031367	Green	No	6.35	0.04	0.03

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)	Minimum pulley diameter running side
	N	N	N	mm	mm
E-RB05-KG-C250+S	51	37	65	50	50
E-RB06-KG-C250+S	73	53	93	60	60
E-RB08-KG-C200+S	129	94	165	80	80
E-RB10-KG-C100+S	202	147	258	100	100
E-RB12-KG-C100+S	291	212	372	120	120
E-RB1/4-KG-C250+S	82	59	104	64	64

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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