

Technical datasheet

CeNit® EP 500/4 5:2 Y

Belt Dimension	Specification	Unit	Test Standard	Tolerances
Belt width [B1]*	n.a.	mm	DIN 22102	± 5 mm**
Total thickness [T1]	10.5	mm	DIN EN ISO 583	± 1 mm***
Top cover thickness [T2]	5.0	mm	DIN EN ISO 583	+free/-0.2 mm****
Bottom cover thickness [T3]	2.0	mm	DIN EN ISO 583	+free/-0.2 mm****
Belt weight	about 12.1	kg/m ²		

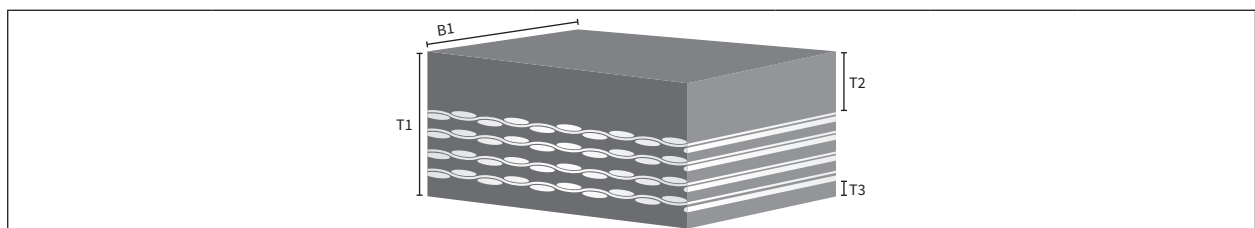
Belt Test	Specification	Unit	Test Standard	Tolerances
Tensile strength	500	N/mm	DIN 22102	min.
Elongation at 10% of tensile strength	1.5	%	DIN EN ISO 283	max.
Elongation at break	10	%	DIN 22102	min.
Width of solid edges	15 respectively cut edges	mm	DIN 22102	n.a.

Cover Rubber Test	Specification	Unit	Test Standard	Tolerances
Tensile strength ⁽¹⁾	20	N/mm ²	DIN 53504	min.
Elongation at break ⁽²⁾	400	%	DIN 53504	min.
Abrasion	150	mm ³	DIN ISO 4649	max.
Hardness	60	°ShA	DIN ISO 7619-1	± 5
After aging: 168 hours at 70 °C	Changes of tensile strength ⁽¹⁾	± 25	%	DIN 22102
	Changes of elongation ⁽²⁾	± 25	%	DIN 22102
Electrical surface resistance	3·10 ⁸	Ω	DIN EN ISO 284	max.

Adhesion Test	Specification	Unit	Test Standard	Tolerances
Top cover to first ply	4.5	N/mm	DIN EN ISO 252	min.
Ply to ply	5.0	N/mm	DIN EN ISO 252	min.
Bottom cover to last ply	4.5	N/mm	DIN EN ISO 252	min.

Pulley Diameter	Specification	Unit	Test Standard	Tolerances
Minimum pulley diameter	400	mm		min.

Additional Properties	Legend
	n.a. = not applicable



Product-related special properties could be tested in the in-house laboratory (if necessary own separate and DIN deferring test method could be specified).

*max. belt width: 1600 mm; **up to 500 mm belt width, above 500 mm belt width applies ±5 mm; ***up to 10mm belt thickness, above 10 mm belt thickness ±10% applies, ****up to 4 mm cover thickness, above 4 mm cover thickness ±5% applies

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rubber
conveyor belts