Technical datasheet

CeNit® EP 500/3 5:2 DT 180/200

Belt Dimension	Specification	Unit	Test Standard	Tolerances
Belt width [B1]*	n.a.	mm	DIN 22102	±5 mm**
Total thickness [T1]	11.0	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 13.0	kg/m²		

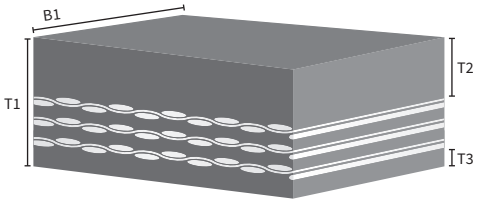
Belt Test	Specification	Unit	Test Standard	Tolerances
Tensile strength	500	N/mm	DIN 22102	min.
Elongation at 10 % of tensile strength	1.5	%	DIN EN ISO 283	max.
Elongation at break	n.a.	%	DIN 22102	min.
Width of solid edges	15 respectively cut edges	mm	DIN 22102	n.a.

Cover Rubber Test		Specification	Unit	Test Standard	Tolerances
Tensile strength(1)		12	N/mm²	DIN 53504	min.
Elongation at break(2)		400	%	DIN 53504	min.
Abrasion		150	mm³	DIN ISO 4649	max.
Hardness		60	°Sh A	DIN ISO 7619-1	±5
After aging: 168 hours at 125 °C	Changes of tensile strength(1)	17	%	DIN 22102	
	Changes of elongation(2)	25	%	DIN 22102	
Electrical surface resistance		$3 \cdot 10^8$	Ω	DIN EN ISO 284	max.

Adhesion Test	Specification	Unit	Test Standard	Tolerances
Top cover to first ply	3.5	N/mm	DIN EN ISO 252	min.
Ply to ply	4.5	N/mm	DIN EN ISO 252	min.
Bottom cover to last ply	3.5	N/mm	DIN EN ISO 252	min.

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

Additional Properties	Legend
› Appropriated for the operations with ambient temperatures of -40 °C to 180 °C (material max. 200 °C)	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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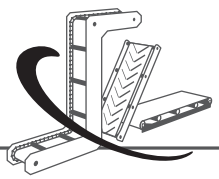

rubber conveyor belts

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