

# Technical datasheet

## CeNit® EP 500/3 6:2 Y

Belt Dimension	Specification	Unit	Test Standard	Tolerances
Belt width [B1]*	n.a.	mm	DIN 22102	± 5 mm**
Total thickness [T1]	11.3	mm	DIN EN ISO 583	± 1 mm***
Top cover thickness [T2]	6	mm	DIN EN ISO 583	+free/- 0.2 mm****
Bottom cover thickness [T3]	2	mm	DIN EN ISO 583	+free/- 0.2 mm****
Belt weight	12.7	kg/m <sup>2</sup>		

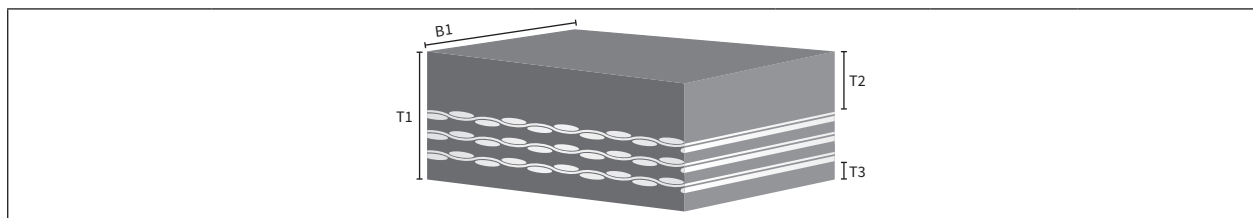
Belt Test	Specification	Unit	Test Standard	Tolerances
Tensile strength	500	N/mm	DIN 22102	min.
Elongation at 10 % of tensile strength	1.5	%	DIN EN ISO 283	max.
Elongation at break	10	%	DIN 22102	min.
Width of solid edges	15 respectively cut edges	mm	DIN 22102	n.a.

Cover Rubber Test	Specification	Unit	Test Standard	Tolerances	
Tensile strength <sup>(1)</sup>	20	N/mm <sup>2</sup>	DIN 53504	min.	
Elongation at break <sup>(2)</sup>	400	%	DIN 53504	min.	
Abrasion	150	mm <sup>3</sup>	DIN ISO 4649	max.	
Hardness	60 – 65	° Sh A	DIN ISO 7619-1	± 5	
After aging: 168 hours at 70 °C	Changes of tensile strength <sup>(1)</sup>	± 25	%	DIN 22102	
	Changes of elongation <sup>(2)</sup>	± 25	%	DIN 22102	
Electrical surface resistance	n.a.	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
> Appropriated for the operations with ambient temperatures of -20 °C up to +60 °C (material max. +75 °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