

Technical datasheet

CeNit® EP 500/4 2:2 MG

Belt Dimension	Specification	Unit	Test Standard	Tolerances
Belt width [B1]*	n.a.	mm	DIN 22102	±5 mm**
Total thickness [T1]	7.5	mm	DIN EN ISO 583	±1 mm***
Top cover thickness [T2]	2.0	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 8.4	kg/m ²		

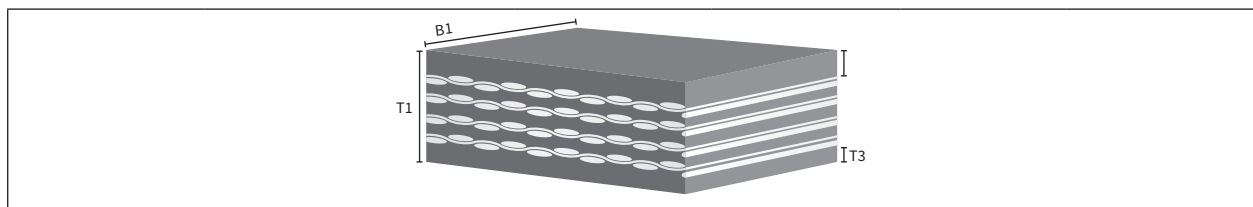
Belt Test	Specification	Unit	Test Standard	Tolerances
Tensile strength	500	N/mm	DIN 22102	min.
Elongation at 10% of tensile strength	1.5	%	DIN EN ISO 283	max.
Elongation at break	12	%	DIN 22102	min.
Width of solid edges	cut edges		DIN 22102	not relevant

Cover Rubber Test	Specification	Unit	Test Standard	Tolerances
Tensile strength ⁽¹⁾	16	N/mm ²	DIN 53504	min.
Elongation at break ⁽²⁾	450	%	DIN 53504	min.
Abrasion	150	mm ³	DIN ISO 4649	max.
Hardness	65	°ShA	DIN ISO 7619-1	±5
After aging: 168 hours at 70 °C	Changes of tensile strength ⁽¹⁾	n.a.	%	DIN 22102
	Changes of elongation ⁽²⁾	n.a.	%	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	3.5	N/mm	DIN EN ISO 252	min.
Ply to ply	5.0	N/mm	DIN EN ISO 252	min.
Bottom cover to last ply	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
<ul style="list-style-type: none"> › The conveyor belt is ozone-resistant and grease-resistant › Oil and grease resistant cover as well as oil and grease resistant centre-intermediate rubber › DPQ (cover swelling): IRM 901 max. 3% – IRM 902 max. 10% – IRM 903 max. 20% [% change in weight] › Suitable for ambient temperatures from -15°C to +80°C (material greasy or moist max 60 °C) › Production according REACH guidelines 	n.a. = not applicable DPQ = cover swelling (at 70°C/22h)



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: 1.600 mm; **up to 500 mm belt width, above 500 mm belt width applies ± 5 mm; ***up to 10 mm 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