

Technical datasheet

CeNit® EP 1600/5 8:3 Y

Belt Dimension	Specification	Unit	Test Standard	Tolerances
Belt width [B1]*	n.sp.	mm	DIN 22102	± 5 mm**
Total thickness [T1]	19.5	mm	DIN EN ISO 583	± 1 mm***
Top cover thickness [T2]	8.0	mm	DIN EN ISO 583	+ free/- 0.2 mm****
Bottom cover thickness [T3]	3.0	mm	DIN EN ISO 583	+ free/- 0.2 mm****
Belt weight	about 23.9	kg/m ²		

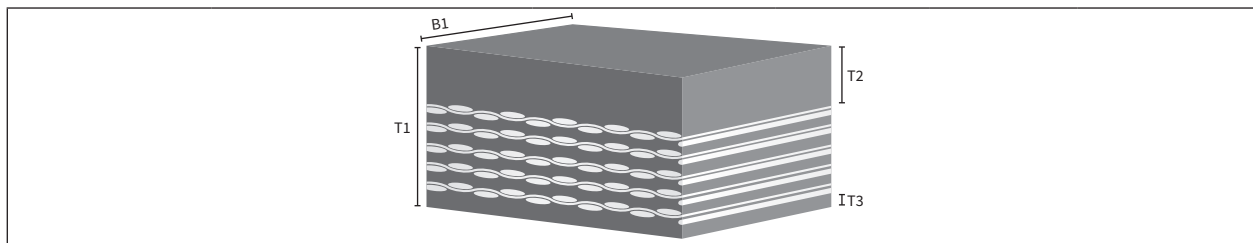
Belt Test	Specification	Unit	Test Standard	Tolerances
Tensile strength	1.600	N/mm	DIN 22102	min.
Elongation at 10 % of tensile strength	3.0	%	DIN EN ISO 283	max.
Elongation at break	n.sp.	%	DIN 22102	min.
Width of solid edges	cut edges	mm	DIN 22102	max.

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	1.000	mm		min.

Additional Properties	Specification	Unit	Legend
› The conveyor belt is ozone-resistant.			n.a. = not applicable
› Suitable for ambient temperatures from -40 °C up to +60 °C (material max. + 80 °C).			n.sp. = not specified



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: 2000 mm; **up to 500 mm belt width, above 500 mm belt width applies ± 1 %; ***up to 10 mm belt thickness, above 10 mm belt thickness ± 10 %; ****up to 4 mm cover thickness, above 4 mm cover thickness ± 5 % applies.

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rubber
conveyor belts