

Technical datasheet

CeNit® EP 1600/5 + 1 BR 8:3 Y

Belt Dimension	Specification	Unit	Test Standard	Tolerances
Belt width [B1]*	1.200	mm	DIN 22102	± 5 mm**
Total thickness [T1]	20.0	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 23.6	kg/m ²		

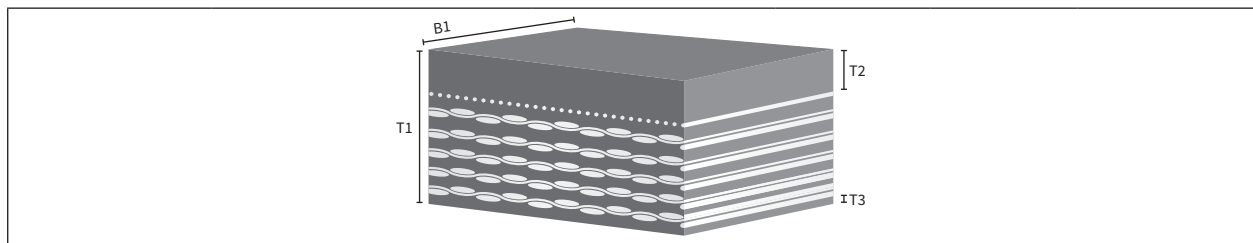
Belt Test	Specification	Unit	Test Standard	Tolerances
Tensile strength	1.600	N/mm	DIN 22102	min.
Elongation at 10% of tensile strength	3.0	%	DIN EN ISO 283	max.
Elongation at break	12	%	DIN 22102	min.
Width of solid edges	cut edges	mm	DIN 22102	max.

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	130	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.

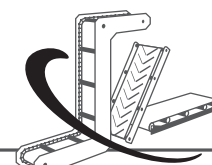
Additional properties	Specification	Unit	Legend
Type of additional textile fabric, top cover	BR		n.a. = not applicable
Filament, outer diameter	0.58	mm	
Filament, pitch	0.13	mm	
Quantity of filaments per 10 cm	140	piece	
› The conveyor belt is ozone-resistant. › Appropriated for the operations with ambient temperatures of - 40 °C up to + 60 °C (material max. + 80 °C).			



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