noltewerk

Technical datasheet

CeNit® XCN 500/4 4:2 Y

Belt Dimension	Specification	Unit	Test Standard	Tolerances
Belt width [B1]*	n.a.	mm	DIN 22102	±5 mm**
Total thickness [T1]	12.0	mm	DIN EN ISO 583	±1 mm***
Top cover thickness [T2]	4.0	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 13.3	kg/m²		

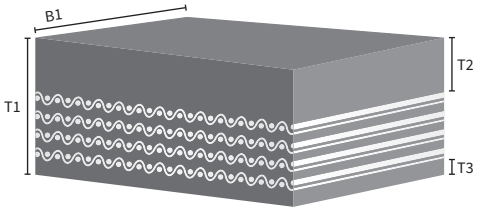
Belt Test	Specification	Unit	Test Standard	Tolerances
Tensile strength	500	N/mm	DIN 22102	min.
Elongation at 10 % of tensile strength	1.5	%	DIN EN ISO 283	max.
Elongation at break	12	%	DIN 22102	min.
Width of solid edges	cut edges		DIN 22102	n.a.

Cover Rubber Test		Specification	Unit	Test Standard	Tolerances
Tensile strength(1)		20	N/mm²	DIN 53504	min.
Elongation at break(2)		400	%	DIN 53504	min.
Abrasion		130	mm³	DIN ISO 4649	max.
Hardness		60	°Sh A	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		$3 \cdot 10^8$	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.

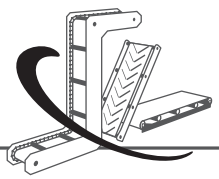
Pulley Diameter	Specification	Unit	Test Standard	Tolerances
Minimum pulley diameter	500	mm		min.

Additional Properties	Legend
› The conveyor belt has cross rigid properties, those are realised by using a hybrid fabric. › The conveyor belt is ozone-resistant. › Appropriated for the operations with ambient temperatures of -40 °C up to +60 °C (material max. +80 °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

All information based on current knowledge and experience. Information provided shall not exempt the contractor or user from conducting own tests. A legally binding warranty as to product features or its suitability for specific purposes may not be derived therefrom. Compliance with any proprietary rights as well as existing laws or regulations is the responsibility of the recipient of our products. No liability assumed for printing and any other errors. Technical data subject to change without notice. Reproduction or duplication of this document or its contents - whole or in part - is only permitted with express approval by company noltewerk. The German version of this data shall prevail. As of 0919.



rubber conveyor belts

noltewerk GmbH & Co. KG · Mergenthalerstr. 15 · 48268 Greven · t +49 (25 71)16-0 · f +49 (25 71)16-402 · info@noltewerk.de · www.noltewerk.de