

Product data sheet

NBR 7012



Manufacturing dimensions¹

Dimensions	Value	Tolerances
Length ²	200 - 5380 mm	± 0.5 % (min. 2.5 mm)
Width ⁴	4.0 - 420 mm	± 0.5 mm ³
Thickness ⁴	2.5 - 2.5 mm	± 0.1 mm
Standard thickness	2.5 mm	-

Coating

Characteristics	1st side (outside)	2nd side (running side)
Material	NBR	polyurethane
Surface	ground	ground
Hardness ⁵	70 ± 5 Shore A	55 ± 7 Shore A
Resistance to abrasion	high	high
Food approved ⁶	no	no
Coefficient of friction against ^{7, 8}	Steel	medium
	Paper	low / medium
	very high / extreme	extreme

Belt characteristics

Characteristics	Value	Tolerances
Carcass	polyester	-
Antistatic	possible	-
Resistance to temperature	-10 up to 60 °C	-
Minimum pulley diameter ⁹	20 mm	-
Breaking resistance min. ^{9, 10}	270 N/mm	-
Elongation at ^{9, 10}	10 N	0.3 %
	20 N	0.6 %
	30 N	0.9 %
Strength required for 1% elongation ^{9, 10}	34 N/mm	± 7 N/mm
Recommended pretension ^{9, 10, 11}	29 N/mm	± 4 N/mm
Recommended elongation ¹¹	0.7 %	± 0.1 %

¹ Deviating dimensions upon request

² Inside length

³ Tolerance applies up to a width of 50 mm. Tolerance from width 51 mm: +/- 1.0 mm; tolerance from width 101 mm: +/-2.0 mm

⁴ Possible widths and thicknesses depend on the length to be produced and the type of coating (one-side or both-sides coated)

⁵ Measured according to DIN ISO 7619-1

⁶ Valid only for coating materials. Prove for entire belt on request.

⁷ <0.20 = very low, 0.20-0.39 = low, 0.40-0.59 = medium, 0.60-0.79 = high, 0.80-0.99 = very high, >0.99 = extreme

⁸ Friction coefficients > 0.99 increase the likelihood of high belt wear or damage to the goods to be transported

⁹ At standard thickness

¹⁰ At 1 mm width endless

¹¹ When using the belt as a drive belt

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