

Rubber Conveyor Belt — Technical Data Sheet

Heat-resistant EPDM cover, nylon (NN) carcass. Type NN800/4. Manufactured to DIN 22102. Supplied by AIMS International Co., Limited.

1. Belt dimensions

Property	Standard	Unit	Value
Belt width	As per order	mm	1200
Total thickness	As per order	mm	13.8
Top cover thickness	As per order	mm	7
Bottom cover thickness	As per order	mm	2
Weight per metre	DIN 22102	kg/m	22.50
Edge type	DIN 22102	-	Moulded
Tolerance on belt length	DIN 22102	m	+1 / -0

2. Properties of the covers

Property	Standard	Unit	Value
Cover type	-	-	Heat resistant (HR350)
Tensile strength when delivered (min.)	DIN 22102	MPa	15
Ultimate elongation at break (min.)	DIN 22102	%	350
Abrasion loss (max.)	DIN 22102	mm ³	250
Hardness	DIN ISO 7619-1:2010	Shore A	65 +/- 5
Tensile strength change, 350 deg C / 7 days	DIN 22102	%	+/- 25
Elongation change, 350 deg C / 7 days	DIN 22102	%	+/- 25
Base polymer	DIN 22102	-	EPDM
Working temperature (min.)	DIN 22102	deg C	-30
Working temperature (max.)	DIN 22102	deg C	350
Working temperature (peak)	DIN 22102	deg C	400
Ozone resistance	ASTM D1149-16	96 h / 50 pphm	No crack
Anti-static	DIN 22104	ohm	$< 3 \times 10^8$

3. Properties of the carcass

Property	Standard	Unit	Value
Fabric type	As per order	-	NN (nylon / nylon)
Fabric per ply	As per order	-	NN200
Warp	DIN 22102	-	Nylon
Weft	DIN 22102	-	Nylon
Number of plies	As per order	-	4
Carcass thickness	As per order	mm	4.8

4. Adhesive strength

Property	Standard	Unit	Value
Top cover to ply	DIN 22102	N/mm	6
Bottom cover to ply	DIN 22102	N/mm	6
Ply to ply	DIN 22102	N/mm	6

5. Properties of the belt

Property	Standard	Unit	Value
Breaking strength of full belt (min.)	DIN 22102	N/mm	800
Elongation at 10% reference load (max.)	DIN 22102	%	2.5
Elongation at break (min.)	DIN 22102	%	10

6. Roll packing — available configurations

Per-roll data	Configuration A	Unit	Configuration B
Length of each roll	200	m	150
Number of rolls	2	-	2
Total length supplied	400	m	300
Gross weight of each roll (approx.)	4,500	kg	3,378
Diameter of each roll (approx.)	2.09	m	1.84
Volume of each roll (approx.)	5.25	m ³	4.08

Application: superior heat resistance for heavy-duty service conditions, up to 400 deg C for short periods (coke, clinker and similar hot materials). Widths, lengths, cover thicknesses and belt strengths other than those listed can be produced to order. Figures are nominal and subject to manufacturing tolerance — please confirm against the order specification.

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