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MAXBelt®



MAXBelt

CONVEYOR
BELTS



WHO WE ARE

MAXBELT is a 100% Brazilian, Company. We produce conveyor and elevator belting. As far as development, MAXBELT has been incorporating top technology in the pursuit of anticipating the market tendencies, innovating in products, services and attendance of its clients and partners.



The Plant is located in South of Brazil in the city of Maringa, in Paraná state. We have 7.500 m² of building and also a very function logistic infra-structure that includes a distribution center in Belo Horizonte and Maringa. We provide a great service which includes complete inventory, and on time delivery all over Brazil. We have a good distribution net work in all national territory and abroad. At the moment we export to Argentina, Peru, Venezuela, Paraguay, Bolivia, Uruguai and Chile..

MISSION

MAXBELT has as mission, to develop, produce and commercialize products and services to companies of several segments, in the pursuit of the satisfaction of our clients, by using top technology and following international quality standards, respecting and contributing to society and the environment.

VALUES

To add value to the clients, through the satisfaction and excellence in services contribution.

Continuous search for technological solutions which add value to the business.

Integrity of our operations.

Absolute quality of our products and services.

Continuous development of our professionals Approaching and commitment.

Respect to the environment and Social Responsibility.



MAXBELT TOTAL QUALITY

MAXBELT production process starts in the selection and total analysis of the raw material. At our own lab all the components are severer tested as they are essential to guarantee quality to our products.

We have highly qualified and experienced professionals who are dedicated to research and development of processes in order to produce the best solutions in conveyor belts. We also have at the clients' disposal qualified technician assistants to proper orientation to granary transportation.

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MOBILE UNITY

This is an innovative initiative with the aim of training our clients in the pursuit of proper installation, maintenance and handling to guarantee a more lasting lifetime to the conveyor belts.

There is a space with capacity for thirty people, which has infra-structure formed by screens, projector, data show, air conditioning that also accompanies in the events of several segments

THE STRUCTURE AND PERFORMANCE OF WHOM IS ALWAYS AHEAD

EXCELLENT PERFORMANCE

The MAXBELT Conveyor and elevator belt have a high performance based on the most important component of the belt, the Carcass (internal structure of the belt), which are entirely made by synthetic fabrics, especially twisted with strong and resistant fibers coated with protective high strength and long life rubber.

All MAXBELT belts, MB-EP and MBN are based on the international Standards DIN ZHOZ, ISO R 283 y RMA.

The polyester / nylon MB or nylon/nylon MBN have special treatment, which maximizes their resistance without losing any flexibility and dimensional stability. Along with the high adherence between the fabrics, this treatment can take a very high demands of tension with less fabrics maintaining an excellence resistance to fatigue, elongation and rupture, working perfectly with smaller pulleys diameters.

MAXBELT with our variety of specifications can offer:

- Fabric carcasses made of polyester/nylon and/or nylon/nylon;
- Resistance to the most severe work conditions;
- Excellent absorption and resistance to impacts;
- Excellent flexibility and bending;
- Low rate of stretching;
- Excellent adherence between its components;
- Resistance to humidity and mould;
- Reinforced edges;
- More saving

COMPONENTS OF RUBBER COVER

The rubber covers of the conveyor belts protect the carcass against the action of the transported material. All conditions of work, allied to the kind of material and its physical and chemical features influence its correct specification.

RESISTANT TO ABRASION

HD®

Excellent abrasion resistance, cuts, wrinkles and bad weather. It is good to severe work with sharp materials such as iron, quartz, granite, calcareous, basalt, stones, manganese, coke, slag etc. it resists to materials with temperature peak of until 65°C. It observes the Regulation RMA degree I.

(HD specific weight = 1.16)

HDS®

An element exceeds Regulation RMA degree I and is more resistant to abrasion among the current elements, severe services, high impact, and cuts and uprooting. It resists to materials with temperature peak of until 65°C.

(HDS specific weight = 1.11)

LD®

It is developed to be resistant and long lasting in low and medium abrasion, to cuts, wrinkles, as so as in severe conditions of work in which the HD type is not required. It keeps its flexibility even in low temperatures. It observes Regulation RMS degree II. We recommended it for materials such as sand, gravel, coal, cement, phosphate, sulfur, salt, caldarium, talcum, cereal in grains (soybean, corn, wheat etc.), timber, lime etc.

(LD specific weight = 1.17)

LD-REACTION

It is an element of high quality developed to use in fertilizer industry in the process of chemical reaction with good resistance to chemical attack and to temperature.

(LD-REACTION specific weight = 1.20)

RESISTANT TO OIL

RO®

Element developed with medium resistance to materials with vegetal and animal oils, and materials, which are slightly acid or basic. It is ideal to transport soybean and corn bran, cotton, metal sheet, scrap iron, recycling materials, non aromatic solvents, chip of wood with resin (except pines). It is resistant to temperature until 90°C.

(RO specific weight = 1.20)

GRÃO®

Covering specially developed to transport grains, with resistance to cereal oils (soybean, corn, wheat, oat etc), to the action of acid and alkaline products such as insecticides and pesticides (K-obiol, Acetylic) and abrasive products. It also owns self-extinguishing properties (anti flame) and anti static. Its security suggests its use in silos, barns and port corridors.
(GRAIN specific weight = 1.20)

HOR®

This element offers excellent resistance in transporting materials with mineral oils, urea and others in severe conditions and acidity. It has very good resistance to abrasion. It is appropriate to transport materials with temperatures until 120°C. It is recommended to metallic pieces into oil, soybean cake, animal or vegetable fat, urea, fertilizers and insecticides.
(HOR specific weight = 1.22)

RESISTANT TO HIGH TEMPERATURE**SHT®**

This is an element of high quality, resistant to heat, used in transporting materials with temperature until 150°C. High resistance to fissures and hardness provoked by abrasive, thin and hot materials, such as ash, tobacco, coke, slag, clinker, foundry sand, cement and foundry metals.
(SHT specific weight = 1.19).

Note: We recommend covers not inferior to 3/16" x 1/16". We suggest the application of the following minimal superior covers:
Temperature of the material between 70°C and 90°C – 3/16"
Temperature of the material between 91°C and 110°C – 1/4"
Temperature of the material between 111°C and 130°C – 5/16"
Temperature of the material between 131°C and 150°C – 3/8"

SH-EPDM®

Resist and work in conditions with maximum resistance to hot and abrasive burdens effects, with temperatures until 204°C and peaks until 300°C. Resist materials such as clinker, sinter, iron 'balls', foundry sand.
(SH-EPDM specific weight = 1.14).

Note: We recommend covers not inferior to 1/4" x 3/32".

SPECIAL COVERS**ORANGE®**

Developed for citric transport, mainly orange, with excellent resistance to D'limonene action, from the attrition between orange peel with the belt and the bagass.
(ORANGE specific weight = 1.22).

PINNUS®

It offers excellent resistance to abrasion, impact, cuts and mainly to deterioration contamination from the resins from chip wood.
(PINES specific weight = 1.18).

WRINKLED

It is a non-flat cover, roughly wrinkled, developed to sacks, boxes or other transportations, inclined from 20° to 30°.

ATX®

It is a special white cover, recommended to transport food products.
(ATX specific weight = 1.25).

ATX-SUGAR®

It is a special white cover, recommended to transport granary sugar. It is non-toxic and has excellent resistance to abrasion.
(ATX-sugar specific weight = 1.25).

MBN nylon/nylon fabric

Maxbelt MBN Conveyor belt in a nylon reinforced carcass with nylon fabric on both ways (longitudinal and transversal).

Features:

- Excelent impact resistance
- Excelent flexibility
- High adhesion
- Reduced stretch
- High ultimate strength
- Rip and tear excellent resistance
- Allows smaller pulley diameters
- Less weight
- Get a lower cost-per-ton conveyed

Types of carcass and theirs vulcanized and fastener rating (KN/m)

- | | | |
|-------------------|------------------------|----------------------|
| • MBN – 160 | 16 KN/m width/fabric | (vulcanized splices) |
| | 14 KN/m width/fabric | (fastener splices) |
| • MBN – 240 | 24 KN/m width/fabric | (vulcanized splices) |
| | 21 KN/m width/fabric | (fastener splices) |
| • MBN – 350 | 35 KN/m width/fabric | (vulcanized splices) |
| | 31.5 KN/m width/fabric | (fastener splices) |

AGRO 1000 AGRO 2000 (laminate belts)

Maxbelt agro 1000- agro 2000 laminate belts are designed to stand up to the unique operating conditions of (grain handling facilities such as soy bean, corn, rice, wheet, etc...) also boxes bags and all type of abrasive material. FS belts goes very smooth when has to convey material over streight surface (no idlers) or others condition where there is no abrasion, cuts, corrosion, oil, etc...

High strength nylon fill cords provide excellent resistance to bolt pull-out. Excellent bolt holding enables the maxbelt laminate belts carcass to security hold the buckets in elevator leg service.

Agro conveyor/ elevator belt data (density up to 1 t/m³) Imperial & Metric

Number of plies	AGRO 1000/ 2	AGRO 1000/3	AGRO 1000/4	AGRO 2000/2	AGRO 2000/3	AGRO 2000/4
KN/m	20	30	40	40	60	80
Lb/inch	114	170	228	228	343	457

Minimum pulley diameters based on tension percentage

Number of plies	AGRO 1000/ 2		AGRO 1000/3		AGRO 1000/4		AGRO 1000/5		AGRO 1000/6		AGRO 1000/8	
Tension	pul.	mm	pul.	mm	pul.	mm	pul.	mm	pul.	mm	pul.	mm
More than 61%	12	300	14	350	20	500	25	630	30	750	40	1000
31% 60%	10	250	12	300	16	400	20	500	25	630	32	800
Up 30%	8	200	10	250	12	300	18	450	20	500	24	600

Agro conveyor/elevator belt tension capacity - Grain Application (density up to 1 t/m³) Imperial & Metric

Number of plies	AGRO 2000/3	AGRO 2000/4	AGRO 2000/5	AGRO 2000/6
KN/m	45	60	75	90
Lb/inch	257	343	428	514
Maximum projection of the bucket	6"	8"	10"	10"

Minimum pulley diameters based on tension percentage

Number of plies	AGRO 2000/3		AGRO 2000/4		AGRO 2000/5		AGRO 2000/6	
Tension	pul.	mm	pul.	mm	pul.	mm	pul.	mm
More than 61%	18	450	22	550	28	700	34	850
31% 60%	16	400	20	500	22	550	30	750
Up 30%	12	300	16	400	20	500	22	550

Less than width of the laminate belt (MB - FS)	3 telas	4 telas	5 telas	6 telas	8 telas
AGRO 1000	3,6mm	4,8mm	6,2mm	7,6mm	10,4mm
AGRO 2000	4,1mm	5,2mm	6,7mm	8,2mm	xxxx

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