

Flame Retardant Conveyor Belt

Xin Aneng is a manufacturer of flame retardant conveyor belts in China for more than 30 years. It has always been known in the industry for its most outstanding quality requirements. Flame retardant conveyor belt, also known as whole core positive flame conveyor belt, is made of the whole belt core after plasticization or vulcanization by polyxene ethyl drying and diffuse paste, which has the characteristics of high strength, large transportation and transportation balance, while Xin Aneng flame retardant conveyor belt has good flame retardant, antistatic, impact resistance, wear resistance, corrosion resistance and other properties. Flame retardant conveyor belts are mainly suitable for underground transportation in coal mines, and can also be used for material transportation in metallurgical and chemical industries.

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滚动鼠标轴或单击，开始截长图

Product Description

Xin Anneng flame retardant conveyor belt product features

1. The tensile force and elongation of the integral braided belt core can be balanced when entering the pulley;
2. It will not delamination. Excellent impact crack resistance;
3. The edge of the core impregnated PVC is closed, and the edge is not easy to be damaged by abrasion;
4. The joint punch card and hot glue can be connected, and the maintenance is easy;
5. The rubber veneer type is more wear-resistant, the friction coefficient is large, and the height can be raised by 2-6° compared with the full plastic type.



Performance characteristics of Xin Aneng flame retardant conveyor belts

Mechanical properties: The mechanical properties are better, which can provide users with the longest service life and the most economical installation and use.

Joint performance: According to the strength of the belt body and the core structure of the belt, the mechanical fastener is used to connect, and its strength can reach 50%-80% of the strength of the belt body; With tellurium joints, the strength can reach 60%-30% of the strength. A variety of styles of joints can meet the different egg requirements of customers and ensure the safe and efficient operation of the conveying system.

Xin Aneng flame retardant properties

Drum friction: The surface temperature of the drum is not more than 325°C.

Blowtorch combustion: The average flame specimen of the full-thickness specimen is not more than 3.0s, and the average of the covering layer is not more than 5.0s.

Propane combustion: lossless length greater than 250mm.

Surface resistance value: the average value of the upper and lower levels is not greater than 3.0x10 to the 8th power.

The product has been exported to the United States, France, Canada, Indonesia, Russia, Vietnam, Australia, South Korea, Iran and other countries



Xin Aneng Safety Performance Requirements:

- Xin Aneng conductivity requirements (surface resistance specification value)

When the conductivity test of the specimen is done, the arithmetic average value of the surface resistance of the upper and lower surface layers of the specimen shall not be greater than 3x10⁸Ω.

- Xin Aneng drum friction test requires that when each specimen passes the drum friction test, no flame combustion and flameless combustion shall occur in any part of it, and the friction surface temperature of the drum shall not be greater than 325°C.



- Xin Aneng alcohol blowtorch burning test requirements

The specimen shall meet the following requirements after the alcohol blowtorch combustion test:

- a) For 6 specimens with a complete covering layer, the arithmetic mean of the flamed burning time and the arithmetic mean of the flameless burning time on all the specimens shall not be greater than 3.0s after the blowtorch is removed. The single value of flame burning time and flameless combustion time on each specimen shall not be greater than 10.0s.
- b) For 18 specimens with the covering layer removed, the arithmetic mean of the flamed burning time and the arithmetic mean of the flameless burning time on all the specimens shall not be greater than 5.0s after the blowtorch is removed. The single value of flame burning time and flameless combustion time on each specimen shall not be greater than 15.0s.

- Xin Aneng roadway propane combustion test requirements

After removing the burner when the conveyor belt is done in the conventional roadway propane combustion test, after the flame or flameless combustion of the specimen stops, each piece of the specimen should retain a full width of the non-destructive length of F600mm.

Users should reasonably select the specifications and models of flame retardant conveyor belts according to the installation length of the conveyor belt, transportation volume, inclination angle, running time, motor power and use environment.

When the belt conveyor is transported uphill slope, the plastic whole core conveyor belt (PVC type) is used for dry conditions below the inclination angle of 16 degrees, the rubber surface whole core conveyor belt (PVG type) is used for the wet and watery occasions below the inclination angle of 20 degrees, and the herringbone rubber surface whole conveyor belt is used for the wet and watery occasions below the inclination angle of 24 degrees, and the transmission roller is used

The diameter should not be less than 400mm. When installing and fastening the conveyor belt, it should be avoided that the roller and conveyor belt should be subjected to sliding friction under the action of tension, generating heat and melting the covering layer and belt core, which will affect the use and antistatic performance. During installation and use, if the belt body deviates and slips, it should be adjusted in time to prevent the belt body from running outside the roller to prevent the belt from being worn and hanging injury. Generally, the belt conveyor is required to start at no load to avoid motor overload and conveyor belt slippage; Before stopping, except for special circumstances, all materials on the conveyor belt should be unloaded.

The tension of the conveyor belt in the normal use process should not be too large, and it should be guaranteed to work under the minimum initial tension under the premise that it does not slip with the transmission roller and the receiving point does not sagging excessively.

Xin Aneng Whole Core Flame Retardant Conveyor Belt Transportation and Storage Precautions: The whole core flame retardant conveyor belt is coiled with rubber core, cement core or iron core, and the bundling should be firm and neat, each piece must have a packaging covering, and there should be a certificate on the packaging. In the transportation and storage, the whole core flame retardant conveyor belt should be kept clean and tidy, avoid direct sunlight, rain and snow soaking, prevent contact with acids, alkalis, oils, plasticizers and other substances that affect product quality, and be more than 1m away from the heat source.

The temperature in the warehouse should be kept between 0-40°C and the relative humidity should be kept between 50-80% during storage.

During storage, the conveyor belt should not be stacked too high, it must be stacked in rolls, not folded, and if the storage time is too long, it should be turned over once a quarter.

Xin Aneng conveyor belt should be handled by another car, and the outer ring of the belt should not be damaged during handling; there is no handling machinery, and the ground is flat and will not damage the belt.

Xin Aneng Service Commitment

Wholeheartedly provide customers with stable quality products and satisfactory service

Provide product samples or other technical information to customers.

We introduce our products to our customers, and provide us with advice and necessary technical and quality information

Help customers choose product types, specifications, models, etc. scientifically and reasonably

Provide conveyor belt installation and joint technical services.

Accept customer calls, letters and visits, and ensure that the reply will be given within 48 hours; The quality problems that need to be solved on site are guaranteed to arrive at the customer's production site within 72 hours.

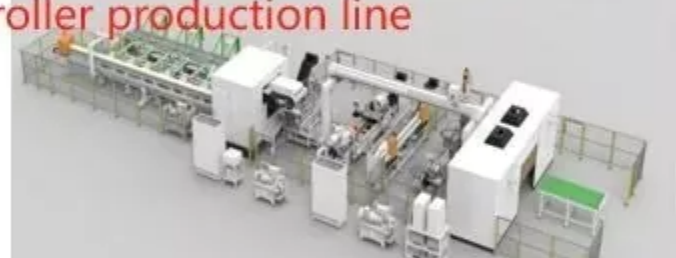
Production Equipment in Hubei Xin Aneng Conveyor Machinery Co., Ltd:



托辊自动化生产线



Hebei Xin Anneng Machinery Co., Ltd -Fully automatic roller production line



Hebei Xin Anneng Conveyor Machinery Co., Ltd Roller Powder Coating Production Line



Hebei Xin Anneng Conveyor Machinery Co., Ltd Roller Powder Coating Production Line

