Ammeraal Beltech

AM-EN

Teflon NI Belts for the glass wool industry

Founded in 1950, Ammeraal Beltech is a global market leader in the design, manufacturing, fabrication, and servicing of high-quality, high-performance process and conveyor belts. We have many solutions available today in 150 countries around the world.

Glass wool, also known as fiberglass, is considered one of the **most effective and environmentally friendly solutions for thermal and acoustic insulation**.

It is produced using a high-speed method, similar to the one used in cotton candy industries, capable of melting and agglutinating sand, sodium carbonate, dolomite, potassium, and recycled glass at 2642°F **without the risk of possible fabric tears**. During the agglutination process, fiber flow is compacted between two conveyor belts vertically hung in a side-sandwich position.

These belts, known as **Bats Flanc belts**, suffer strong friction from scrapers, handling a constant water flow. This, and the difficulty of cleaning the belts, is a **real problem for many glass wool industries.**

Teflon NI belts were created with this very purpose: **to help you avoid the challenges** that the glass wool production process brings.

Main features

- Dimensionally stable
- Extreme lateral stability
- Non-stick surface
- Good chemical resistance
- Water resistance
- High abrasion resistance

Benefits

- Longer belt life
- Reduced maintenance costs
- Low energy consumption
- Prevents lateral bowing
- Easy to clean

Typical application

- Bats Flanc belts

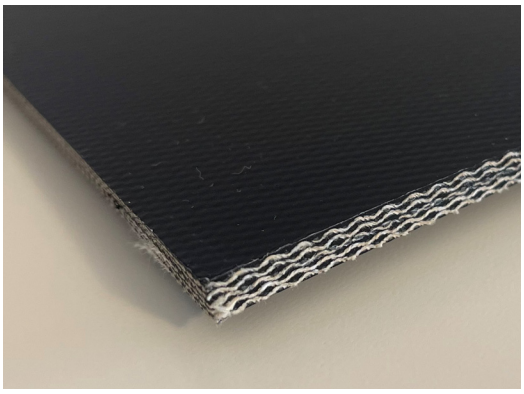
Innovation and Service in Belting

Prevent line breaks and unwanted tears with Teflon NI belts

Teflon NI belts, the latest belts designed by Ammeraal Beltech in collaboration with the leading industries in the glass wool sector, represent an **extraordinary cost-saving solution.**

This new solution **will help you avoid and prevent line breaks and unwanted tears** thanks to its **high abrasion-resistant and water-resistant fabrics**.

Glass wool



One of the main characteristics of the Bats Flanc belts is that they work in a vertical position fixed laterally from the top by a series of bearings that accompany their sliding movement on support tracks. During the production process, the **considerable weight of the belts** caused by the great amount of water, and **the high pressure** exercised by the long scrapers across the width of the surface, **require the bindings and fabrics to have a very strong structure resistant to the possible tears** that can block your production.

Ammeraal Beltech's 5 layer fabric **Teflon NI belts** not only guarantee **extraordinary strength**, but also **non-stick properties against chemical binders** that directly impact the belts causing transverse bowing effects, a common cause of machine breakdowns.

Technical data

Item	Description	N. of plies	Thickness [mm]	Weight [kg/m²]	Force elongation at 1% [N/mm]	Maximum Width (mm)	Flexing / Back flexing diameter [mm]
560246	Teflon EC 11/5 01+01 (NI) black	5	5.60	6.30	10	3300/3500	100/180

Fabric types	
Knowing your process	Industry and product knowledge are the foundation of an innovative and service-oriented organization
All your belting needs	Ammeraal Beltech developed a wide range of belting solutions and accessories to assist the glass wool producers
Timely service	Worldwide distribution and large network; skilled personnel are available to assist with finding the best solution for your application

ONE STOP SHOP belt

The local partner of choice for sustainable conveyor belting solutions around the globe.

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Member of Ammega Group.

Scan the QR code and find your local contact

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07.2023