

Synthetic Belts for Abrasive Sugar Transport



Ammeraal Beltech is a leading manufacturer of process and conveyor belting with an established reputation for developing innovative solutions for belting applications.

Experience and extended application knowledge enabled Ammeraal Beltech to develop a specific range of plied belts for the sugar industry: transport of cane and beets, refining and packaging.

Processing sugar sets high demands. The transport of the coarse sugar is an abrasive process. Conveyor belt damage may occur and it has effect on the safety issues in the factory – fire and combustion have to be avoided.

Main features

- Foodgrade, meets FDA and EC 1935/2011 requirements
- Low elongation; belts with 2 or 3 flexible fabric plies
- Fabrics coated on both sides – no ingress of sugar; closed belt edges are optional
- No electrostatic build-up – antistatic according to ISO 21178
- Flame retardant according ISO 340
- ATEX compliance for use in potentially explosive areas

Benefits

- Low energy consumption
- Reduced maintenance costs
- Increased productivity
- Longer belt life

Typical application

- Unpacked and packed sugar
- Other granular (food) products

Innovation & Service in Belting

Technical information

Belt Range for Sugar processing

Article no.	Nomenclature						No. of plies	Belt thickness [mm]	Weight [kg/m ²]	Hardness top cover [shore A]	Force at 1% elongation [N/mm]	Flexing diameter [mm]
578760	Flexam	EF	10/2	10	+	20 white AS FG FR	2	4.6	5.9	85	10	100
578620	Flexam	EF	15/3	10	+	20 white AS FR FG	3	5.9	7.5	85	15	180
578630	Flexam	EF	15/3	10	+	30 white AS FR FG	3	6.9	7.5	85	15	200
560123	Nitrile BX	EP	12/3	C5	+	C5 white CR AS FR FG	3	5.0	6.0	70	12	150

Belts are in compliance with ATEX directives

AS = antistatic, CR = cold resistant, FG = food grade, FR = flame retardant

Food safe

The sugar belts are food grade products that comply with international standards EC1935/2004 and FDA.

Safe environment

The sugar industry is a risk manufacturing area. Granular, dusty materials can become flammable or combustible. The sugar belts are:

- certified for ATEX category 2, including accessories (e.g. tracking ropes, carriers, Bordoflex corrugated sidewalls, Amseal closed belt edges);
- flame retardant according ISO 340;
- antistatic according ISO 21178.

High productivity

The Flexam PVC and Nitrile BX rubber covers guarantee a proper protection of the fabric layers against ambient conditions, but also against negative influences of the sugar. The covers are abrasion, impact and chemical resistant.

Less maintenance

The sugar belts have proven to be very reliable. The high quality synthetic materials combined with strong polyester fabrics ensure flexibility and a low belt weight resulting in easy cleaning and a long belt life.



Smooth running, flexible for trough



ATEX 2 compliance



One Stop Belt Shop

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 and accessories to assist in improving hygiene levels to protect against food borne or disease causing bacteria
Just-in-time delivery	World-wide distribution and large service network; skilled personnel are on call to repair and install belts using professional equipment, suitable for food plants



Synthetic Belts



Endless Woven Belts



Modular Belts



Engineered Belts



Homogeneous Belts



Fabrication & Service

Expert advice and quality solutions
for all your belting needs.
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