

Arcon Belts Safety in the Sugar Industry



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: for conveying crystal sugar to storage and packaging areas.

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

Ammeraal Beltech Belts are regularly updated to meet European Food, Health Safety and Sanitary Institutions standards.

Main features

- Abrasion Resistant (ISO 5470-1)
- Compliance with EC and FDA
- Flame retardant (ISO 340)
- ATEX cat. 2 approved
- Anti-static (ISO 21178)
- Low elongation
- Available with sealed edges
- Lightweight constructions

Benefits

- Support Plant Safety
- Meet Food Safety requirements
- Increased productivity
- Cost saving and low energy consumption

Typical applications

- Transport of refined sugar or other granular products
- Trough, horizontal or inclined conveyors
- Bucket elevators



Ammeraal Beltech is
member of European
Hygienic Engineering
& Design Group



Food Grade belts comply
with EC 1935/2004 and FDA
standards supporting your
ISO 22000 requirements
(previously HACCP)



Ammeraal Beltech is
recognized with High Quality
products from the CEFS
European Association of
Sugar Manufacturers

Innovation & Service in Belting

Item	Description	N. of plies	Thickness [mm]	Weight [kg/m ²]	Working tension at 1% elongation [N/mm]	Breaking Load [N/mm]	Flexing / Back flexing diameter [mm]
579259	Arcon EF 16/2 10+20 white M1 AS FR FG	2	5.0	6.2	20	300	140/190
576279	Arcon EF 24/3 10+20 white M1 AS FR FG	3	6.0	7.6	30	500	200/250
576299	Arcon EF 50/3 13+30 white M1 AS FR FG	3	9.5	12	75	1000	400/500

M1 = Fine Matte Finish; AS = Anti-static; FR = Flame Retardant; FG = Food Grade

Food Grade

Our sugar belts comply with international standards EC 1935/2004 and FDA requirements including last revisions and amendments.

Safe environment

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

- Certified for ATEX category 2, including accessories (e.g. v-guides, cleats, sidewalls, Amseal closed belt edges)
- Flame retardant according to ISO 340
- Anti-static according to ISO 21178.

High productivity

Our belt covers guarantee a proper protection of the fabric layers against ambient conditions, but also against the wear characteristics of abrasive crystal sugar. Covers available are abrasion, impact and chemical resistant.

Less maintenance

High quality synthetic materials combined with flexible, high-strength polyester fabrics ensure easy cleaning and a longer belt life.

Cost Saving

Ammeraal Beltech's sugar belts are manufactured with thermoplastic covers to ensure good wear resistance and a longer belt life which creates the optimal balance between cost and performance.

Matching Top Industry Standard

Complies with the most rigid industry standards for Abrasion Resistance, Flame Retardance, Anti-Static and Atmospheric Explosive Environments (ATEX).



Smooth running, flexible for trough



Our ATEX belts are suitable for potentially explosive atmospheres



Expert advice and quality solutions
for all your belting needs.
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