

# Arcon Belts for Safety in 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.**

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.

Ammeraal Beltech Belts are constantly updating according to the last changes from European Food, Health Safety and Sanitary Institutions.

#### **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
- Possible with sealed edges
- Lightweight constructions

#### **Benefits**

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

#### **Typical application**

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

# Innovation & Service in Belting

Item	Description	N. of plies	Thickness [mm]	Weight [kg/m <sup>2</sup> ]	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 15+30 white M1 AS FR FG	3	9.5	12.0	75	1000	400/500

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

## ● Food Grade

The 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. tracking ropes, carriers, Bordoflex, Amseal closed belt edges)
- Flame retardant according to ISO 340
- Anti-static according to ISO 21178.

## ● High productivity

The belt covers guarantee a proper protection of the fabric layers against ambient conditions, but also against negative influences of the abrasive crystal 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.

## ● Cost Saving

In abrasive environments, the weight of the price is more relative than ever. Conveying processes with abrasive products are destructive for conveyor belts with thermoplastic covers. Ammeraal Beltech has developed premium product qualities in the optimal balance between cost and performance.

## ● Matching Top Industry Standard

In addition to the necessary Food Grade standards Ammeraal Beltech, thanks to R&D, develop materials and belting manufacturing methods useful to comply with the most rigid industry standards as Abrasion Resistance, Flame Retardant, Anti-Static, ATEX to work out a FIRST OF CLASS belt.



*Smooth running, flexible for trough*



*Our ATEX belts are suitable for potentially explosive atmospheres*



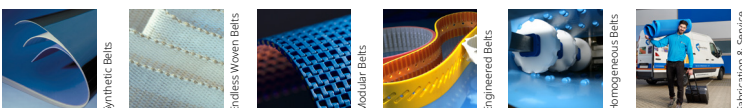
Ammeraal Beltech is member of European Hygienic Engineering & Design Group



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



**Expert advice and quality solutions for all your belting needs.**  
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