

ENVIRONMENTAL IMPACT

SUSTAINABLE MANUFACTURING

SIMONA Boltaron recognizes the importance of manufacturing sustainable materials with environmentally conscious production processes.

OUR MATERIALS

SIMONA Boltaron materials are manufactured for longevity, consistency, and the critical performance required for environments within aviation and mass transit interiors and near highly flammable semiconductor manufacturing chemicals and equipment. The benefits of plastics are apparent in these applications. Plastics are versatile, cost effective, require less energy to produce than alternative materials, such as metal or glass and can be manufactured to have many different performance properties.

Lightweight

SIMONA Boltaron's lightweight materials contribute to weight reduction on aircraft and mass transit vehicles, leading to lower fuel and transportation costs.

Durable

SIMONA Boltaron materials are some of the strongest and most impact resistant plastics. This enables less material to be used than with other plastics and other materials this means a lower weight of material is required again leading to lower fuel costs in mass transit applications.

100% Recyclable

SIMONA Boltaron material is 100% recyclable. Some materials are produced with recycled scrap material. We maximize recycling within our production process and can recommend companies who can recycle our sheet.

SIMONA Boltaron is unique in being the only plastic sheet manufacturer for the aircraft interior industry that is able to extrude, calendar and press laminate sheet. This means that all of our product is made at one site using similar chemical formulations which enables us to recycle internally both film and sheet products. This sets us apart from our other manufacturers who buy filmic materials of a different chemical composition that make it difficult to recycle within the internal manufacturing process.

OUR ENVIRONMENT

We continually work on improving our processes to ensure sparing use of resources and minimal impact on the environment.

Energy Efficient Manufacturing

Monitoring the use of energy, water and raw materials in all manufacturing processes, we consistently find ways to minimize our carbon footprint.

Sustainability

Sustainability is a strategic goal in our production processes. In planning any new production processes or applying any manufacturing methods, environmental protection is a priority and an aspect of our production we continually strive to improve. Environmental aspects form an integral part of the decision-making process and structure of our entire management system.

sustainability



REUSING OR RECYCLING BOLTARON® THERMOPLASTICS

WHAT CAN BE DONE?

- Design seats, etc. to be easy to dismantle and **reuse** or **recycle** at end of life
- Find ways to **reuse** plastic parts removed from aircraft interiors
- Work with Aircraft Interior Recycling Association (AIRA) to find applications for **recycled** plastics for non-aviation applications (they have excellent impact and flame resistant properties)

AIRCRAFT INTERIOR RECYCLING ASSOCIATION Complete Recycling of Aircraft Interiors Including Plastics

- Floor, Ceiling & Sidewall panels
- Stowage Units, Galley & Lavatory Modules
- Overhead Stowage Bins
- Passenger and Cabin Attendant Seats
- Partitions
- Passenger Service Units

INTO NON-AVIATION GRADE PLASTIC PARTS

"Thermoplastics, for instance, can be used time and time again. They just need to be shredded into lumps, ground down to 6mm pieces and then compounded to become pellets, which can either be used for injection moulding or returned to sheet form."

Tony Seville – MD AIRA

recycling



mobile phone stands made with recycled aviation plastic



@boltaroninc

