Environmental Impact

SEFAR Tenara Architecture Fabrics

Material
SEFAR® Architecture TENARA® fabric is 100% fluoropolymer with a backbone of high tenacity PTFE yarn.

The material has the following properties:
- free of chlorine
- no contribution to ozone depletion unlike chlorofluorocarbons (CFC's)
- no contribution to the formation of chloro/bromodioxins or furans ("dioxins")
- chemically inert/non-reactive
- free of plastisizers
- free of stabilizers and catalysts
- physiologically tolerated
- free of oders
- color-fast and non-yellowing

Lifetime
Due to their strong carbon/fluorine bonds, fluoropolymers have unique properties:
- excellent chemical resistance
- UV and weather-resistant
- long durability
- good cleanability

These properties make products produced from fluoropolymers extremely durable with long service lives.

When a product performs for an extended period of time, the ecological balance of that product is positive to the environment.

Recycling and Disposal
SEFAR® Architecture TENARA® fabrics are inert and do not biologically degrade. Consequently, when disposed of on landfill sites, they will not cause hazardous seepage or contribute to the build-up of gases.

In the case of an incineration plant, the materials contained in SEFAR® Architecture TENARA® fabrics are primarily converted to carbon dioxide (CO_2) and hydro fluorid acid (HF). Modern incineration plants are normally able to deal with such waste products without any negative impact on the environment.

The ability to recycle and reuse a material is beneficial to our environment and is normally preferred as compared to disposal by landfilling or incineration. Since SEFAR® Architecture TENARA® fabric is 100% fluoropolymer and does not degrade during its useful life, it can be reprocessed and used in other applications. We will accept returned uncontaminated SEFAR® Architecture TENARA® fabric resulting from fabrication scrap.

Recycling processes for fluoropolymers are currently being developed. When disposing of fluoropolymers, the applicable regional laws and regulations must always be observed.

Architecture

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