

StatGuarD

Type D Antistatic FIBC



Engineered for maximum safety in flammable and explosive environments, StatGuarD™ actively prevents electrostatic hazards without the need for grounding. Reliable, efficient, and fully compliant with international safety standards - protecting your operations with every load.





StatGuarD

Safe, Fully Compliant and Reliable

StatGuarD provides superior protection against static electricity, ensuring safe handling in hazardous environments. Special antistatic fibers dissipate static charges at low energy levels through the corona discharge effect. Unlike traditional solutions, StatGuarD requires no grounding, making it ideal for transporting sensitive materials such as fine powders, chemicals, and pharmaceuticals. Fully compliant with IEC 61340-4-4, FPS StatGuarD bags deliver reliability and peace of mind for your filling & discharging operations.



Key Features and Benefits of StatGuard

Full compliance with IEC 61340-4-4 Ed. 3.0 Type D qualification and testing parameters, with a breakdown voltage (fabrics) of <6 kV (IEC 61340-4-4 section 7.2) and no ignition in Discharge Incendivity Testing (IEC 61340-4-4 sections 7.3.2 & 9.2).

Food-Approved Solution: Manufactured in a controlled environment with optional metal detection and clean room production.

Unique Construction: Utilizes permanent anti-static fibers.

Versatile FIBCs: Available with or without inner liners, including dissipative fabric, L2 liners for Type D applications, and formstable designs for optimized storage & transport.

Guaranteed Safety & Reliability: End-toend process control, in-house production of critical components, and a vertically integrated operation.

Sustainable Reconditioning: StatGuard is suitable for multi-trip FIBC Reconditioning at our Recycling Hub in Romania.

Expert Product Support: In-house specialists to assist with FIBC selection and guidance.



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Liner Classification in IEC 61340-4-4

- L1 Inner liners made from materials with surface resistivity on at least one surface less than or equal to $1.0x10^8 \Omega$.
- **L2** Permanent anti-static inner liners made from materials with surface resistivity between $1.0 \times 10^9 \, \Omega$ and $1.0 \times 10^{12} \, \Omega$ at both sides.

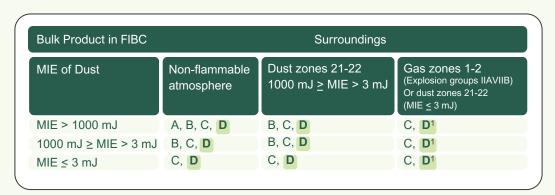


Combination of FIBC & Inner Liners

When only one side anti-static (i.e. $1,0x10^9\,\Omega$ and $1,0x10^{12}\,\Omega$) then the breakdown voltage shall be less than 4 kV.

L3 Inner liners made from materials with surface resistivity of greater than $1,0x10^{12}\,\Omega$. The breakdown voltage through the material shall be less than 4 kV.

FIBC Classification in IEC 61340-4-4



1 - Use of Type D shall be limited to explosion groups IIA/IIB with MIE ≥ 0.14 mJ.

