

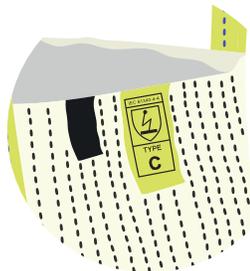


A number of incidents have occurred when emptying flammable powders from FIBC bags. Not only is static charge accumulation highly probable but it is also likely that operators would be caught in the flash fire zone should ignition occur.

Although polypropylene is an ideal material for the construction of FIBCs, it is also highly flammable and susceptible to ignition via a spark discharge caused by static accumulation.



Type C FIBC bags are designed to dissipate static electricity through static dissipative threads that are interwoven through the bag's material. A grounding connection should be made ensuring continuity to earth to dissipate static charge.



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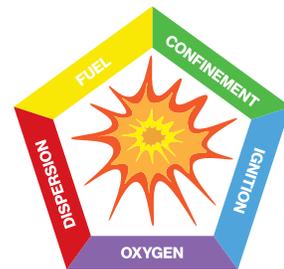
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Dangers of Electrostatic Charge on Type C FIBC Bags

The use of FIBCs are not without their risks and when filling and emptying FIBCs in hazardous areas, electrostatic charge can accumulate on both the contents (product) and the fabric of the material itself.



Materials with low minimum ignition energy (MIE) will regularly reach the minimum explosive concentration (MEC) in an FIBC emptying operation. Due to the flow-rate and the ability to charge, the process may be at risk of combustion by several sources of ignition.



Leading the way in hazardous area static control



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