

Safety Guidelines for selecting a Super Sack® container

Based on Swiss Institute for the Promotion of Safety and Security research

	Non-Explosible Atmosphere	Explosible Atmosphere	Flammable Gases/Vapors
Bulk Product (Median Particle Size Distribution <0.1 mm)			
Non-Explosible Dust*	A	B	C
Dust with MIE>3 mJ	B	B	C
Dust with 1 mJ<MIE<3 mJ	C	C	C
Dust with MIE<1 mJ	C,O	C,O	C,O
Dust with MIE>3 mJ and resistivity of bulk powder <10 ¹¹ Ωm	B	B	C or D
Dust with 1 mJ<MIE<3 mJ and resistivity of bulk powder <10 ¹¹ Ωm	C or D	C or D	C or D

Legend

A All Super Sack containers can be used.

B All Super Sack containers without liners. Breakdown voltage of the FIBC wall may not exceed 6 kV.

C Pactivair ED+ Super Sack container. Grounding from any location on FIBC, including the lift loop straps, less than 10⁹ Ω. Bulk bags in this category must be grounded every time when filling or emptying.

D Crohmiq Blue Super Sack container. Contains separate bands of interwoven conductive threads.

O Additional precautionary steps (e.g. inerting) required during filling.

* In this context, only dusts with a MIE of 10 J or less are classified as explosible dusts.



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