emmbi®

Type D FIBC

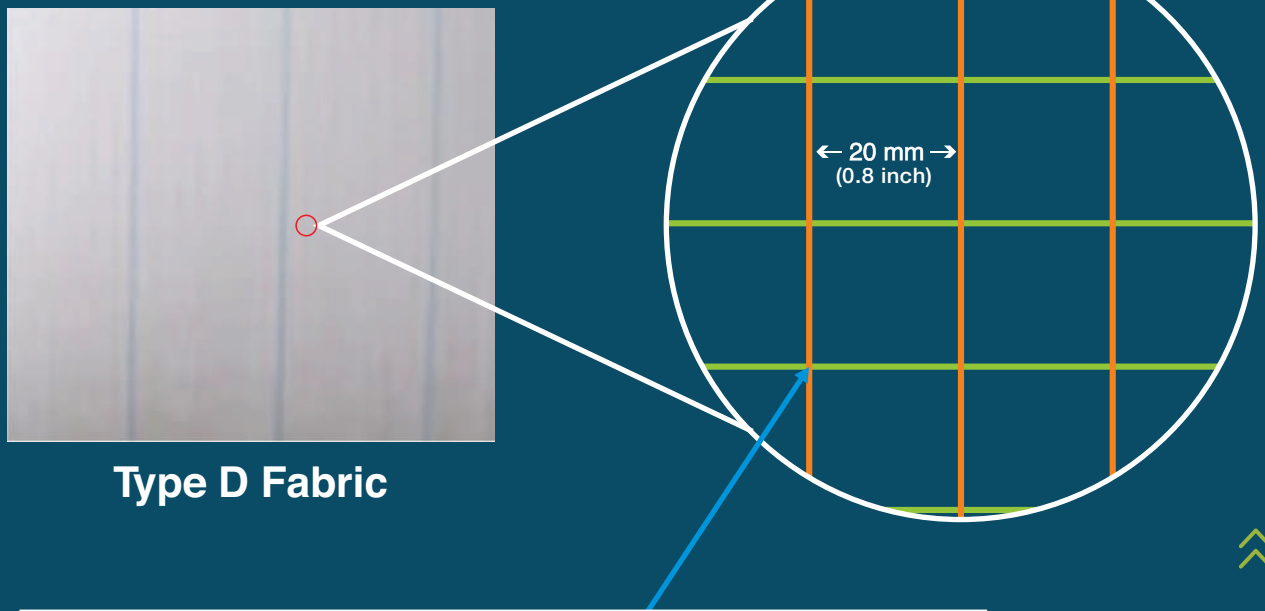
Dissipate Your Worries Away

Type D FIBC

Seamless Dissipation of Static Charges

For decades, the bulk packaging industry has dealt with the challenge of transporting and storing flammable powders, as even a small static charge could lead to a flame and fire breakout, causing damage to property and life. We at Emmbi have also addressed this challenge and in our spirit of continuous development in all areas of product enhancement, we have partnered with CROHMIQ® to bring you Type D FIBCs with world-class electrical discharge capabilities.

How it works?



Recommended Usage of different type of FIBCs

Minimum Ignition Energy (MIE) of Dust	Non-Flammable Atmosphere	Explosive Dust Atmosphere	Explosive Gas and Vapor Atmosphere
MIE > 1000 mJ	A, B, C, **D**	B, C, **D**	C,**D**
1000 mJ > MIE 3 mj	A, C, **D**	B, C, **D**	C,**D**
MIE < 3 mJ	C, **D**	C,**D**	C,**D**

Comparison

Type C FIBC

VS

Type D FIBC

Made of a non-conductive polypropylene fabric		Made with quasi-conductive yarn
Conductive threads connect the FIBC to the ground through a grounding point		No grounding required
Threads are interconnected throughout the FIBC by sewing several panels of fabric together		Made with antistatic properties that can dissipate static charges
Potential for Human Error in terms of stitching or grounding		No potential for Human Error
Special construction requirements		No special construction requirements
Transporting Flammable powders		A more safer way for transporting flammable powders

Safe transport for your Flammable products

Minimum ignition energies (MIE) of regularly transported materials

Material	MIE (mJ)
Zinc	200
Wheat flour	50
Polythylene	30
Sugar	30
Magnesium	20
Sulphur	15
Aluminium	10
Epoxy resin	9
Zirconium	5

(Source: IChemE)

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