DARCO INDUSTRIES
Fire Protection & Insulation Solutions

20 Dobra Road
Yangebup, WA 6164
Ph: +61 8 9418 8826
Mobile: +61 402 002 359
Email: sales@darco.com.au

DEF5600BG/BS Graphite E-Glass

Description

Graphite E-Glass fabric combines the strength of E-glass with graphite's properties to create high-temperature, fire-resistant material. Used for thermal insulation, heat shielding, and protective barriers, used in welding blankets, furnace insulation, fire curtains, industrial seals, and protective clothing. Offering enhanced abrasion resistance and heat reflection for demanding industrial and aerospace applications

Advantages and Application

It has excellent high temperature resistance, extreme abrasion resistance and heavy burn through resistance against the most severe grinding sparks and hot slag like rail line grinding trains using flaps made of this fabric.

Note: This is an Indent item made to order
MOQ 50m and lead time 3 months.

Applications

- **Thermal & Fire Protection:** Acting as protective barriers against molten metal, sparks, and intense heat in foundries, welding shops, and steel factories.
- **Welding/Foundry:** Protects against molten metal splatter, sparks, and intense heat in welding and casting.
- **Insulation:** Used for removable pads, furnace linings, pipe insulation, and fireproof barriers.
- **Curtains & Blankets:** Creates fireproof and heat-resistant curtains for industrial settings and emergency blankets.

Industrial & Automotive

- **Heat Shields:** Shields components in high-heat industries like aerospace and automotive.
- **Seals & Gaskets:** Forms high-temperature seals, compensators, and airtight barriers.
- **Protective Wear:** Makes heat-resistant clothing, gloves, and aprons for workers.

Technical Data	Metric	English	Testing Method
Base Fabric	Fibreglass		
Coating	Graphite on one side and Silicone on one side		
Weight	5600± 5% g/m2	164.7 ± 5% oz./yd2	ASTM D3776-96
Thickness	4 ± 0.2 mm	0.157 ± 0.0078 inch	ASTM D1777-96
Standard Width	100cm		ASTM D3776-96
Color	Back Side Black		
Fire resistance	Flame retardant		
Temp resistance	Silicone layer up to 260^{0}C, (1000^{0}F)		
	Graphite coating up to 700^{0}C, (1300^{0}F)		

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