

DEF2650GP 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



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.

Base Fabric		Metric	English	Testing Method
Weave		Double Twill	Double twill	
Yarn	Warp	ET9 1460 Tex	ETG 3.42	
	Weft	ET9 1460 Tex	ETG 3.42	
Construction	Warp	9 ± 0.6 ends/cm	23 ± 2 ends/inch	ASTM D 3775-96
	Weft	7 ± 0.5 picks/cm	18 ± 1 picks/inch	ASTM D 3775-96
Weight		2550 ± 100 g/m ²	75 ± 2.9oz/yd ²	ASTM D3776-96
Thickness		2.5 ± 0.3 mm	0.098 ± 0.011 inch	ASTM D1777-96
Coated Fabric		Metric	English	Testing Method
Coating		Graphite coated on both sides		
Weight		2650 ± 50 g/m ²	78 ± 1.5oz/yd ²	ASTM D3776-96
Thickness		2.5 ± 0.2 mm	0.098 ± 0.0078 inch	ASTM D1777-96
Color		Black		
Temp resistance		700°C	1300°F	

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