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Fire Protection & Insulation Solutions

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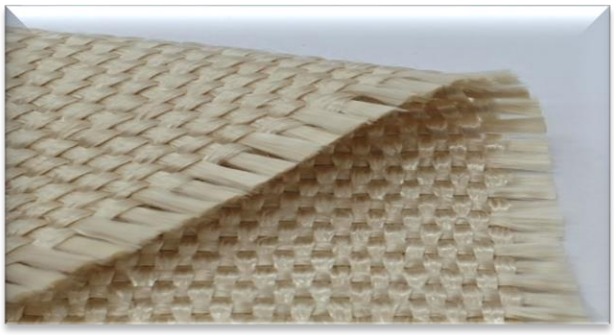
DEF1100HT Heat Treated Fabric

Description

Heat-treated E-glass fabric, with its organic sizing burned off, is used for high-temperature insulation, thermal barriers, and personal protective equipment like welding blankets, curtains, and fireproof materials. Offering excellent heat/flame resistance for industrial applications where smoke is a concern, such as furnace insulation, expansion joints, and gaskets



Applications

- **Welding & Fire Protection** (Welding blankets, fire curtains, and firewalls to protect against sparks, heat, and flames)
- **Industrial Insulation** (Pipe & furnace insulation, thermal reflectors, and machinery covers due to its resistance to extreme heat (up to 550-700°C))
- **Protective Gear** (Personal protective equipment (PPE) like aprons, cuffs, and suits for workers in high-heat environments)
- **Expansion Joints** (Used in compensators and expansion joints in industrial systems
- **Gaskets** (High-temperature gaskets for sealing applications.
- **Thermal Covers** - Exhaust, Muffler, Turbo jackets etc.

Benefits of Heat Treatment

- **Smoke-Free:** Removes organic sizing, preventing smoke during initial use.
- **Improved Performance:** Offers better abrasion resistance and direct flame resistance after treatment.
- **Versatility:** Can be further coated (e.g., with silicone or vermiculite) for enhanced properties like water resistance or chemical stability

Technical Data				
1	Weave		Plain	Testing Method
2	Yarn	Warp	ET9 980	ISO 4602
	Texturized	Weft	ET9 1290	ISO 4602
3	Width		100 cm	DIN EN 1773
			50 cm	DIN EN 1773
4	Cloth Weight		1100 g/m^2	DIN EN 12127
5	Treatment		Caramelised (heat treated)	-
6	Thickness		1.5mm	DIN EN ISO 5084
7	Thread Count	Warp	6.1 per cm	DIN EN 1049-2
		Weft	4.1 per cm	DIN EN 1049-2
8	Tensile Strength(min)	Warp	3600 N/5cm	EN ISO 13934-1
		Weft	4030 N/5cm	EN ISO 13934-1
9	Service Temperature		550ºC	-

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