

DEF430LS Loomstate

Description

E-Glass Loomstate (loom-finished fiberglass) is a strong, flexible, non-combustible woven fabric used as a base for composites, thermal insulation, fire protection. Curtains, Blankets, and structural reinforcement, especially in marine, construction, and industrial settings where heat resistance and durability are needed before coatings are applied. It's plain weave structure offers uniform strength and is ideal for laminating with resins (like epoxy for boats) or coating with PTFE, silicone, or foil for specialized applications



Applications

- **Composites & Laminates** (Reinforces structures like boat hulls, canoes, and other fiberglass parts, providing strength and impact resistance)
- **Thermal Insulation** (Used for high-temperature pipe wraps, furnace linings, and industrial insulation jackets, often treated for extra heat resistance)
- **Fire Protection** (Made into welding blankets, fire curtains, and heat shields due to its non-combustible nature and ability to withstand high temperatures up to 550-600°C)
- **Protective Coatings** (Serves as a substrate for PTFE, silicone, or aluminum foil coatings, creating durable, chemical-resistant materials)
- **Construction** (Provides support and reinforcement in various building materials)
- **Fire Blankets** for all types of thermal insulation and protection, basic cloth for all kinds of finish treatment.



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Technical Data				
1	WEAVE		3 X 1 TWILL	Testing Method
2	YARN	WARP	EC9 33 2×2	ISO 4602
	filament	WEFT	EC9 33 2×2	ISO 4602
3	WIDTH		100 cm	DIN EN 1773
			120 cm	DIN EN 1773
			150 cm	DIN EN 1773
4	CLOTH WEIGHT		430 g/m ²	DIN EN 12127
5	CLOTH THICKNESS		0.43mm	DIN EN ISO 5084
6	THREAD COUNT	WARP	18 per cm	DIN EN 1049-2
		WEFT	13 per cm	DIN EN 1049-2
7	TENSILE STRENGTH	WARP	6000 N/5cm	EN ISO 13934-1
	MIN	WEFT	4500 N/5cm	EN ISO 13934-1
8	SERVICE TEMPERATURE		550°C	-

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