# TECHNICAL DATA SHEET

## TG-200-ALU

No.122

### Description

TG-200-ALU is fiberglass cloth woven by high quality filament yarns, and then laminated with 18 μ thick aluminum foil on the one side. These fabrics provide good properties of flexibility, durability, heat light reflection.

**Application:** It's the ideal and excellent fabrics used for welding blanket, fire protecting curtain, fire protecting workwear, pipe and furnace insulation.

### Technical parameters

| | | Value | Unit | Tolerance | Test Method |
|---|---|---|---|---|---|
| ***Physical properties*** | | | | | |
| Weave | | Plain | | | |
| Mass per unit area | | 200 | $g/m^2$ | ±5% | DIN EN 12127 |
| Lamination | | HT adhesive, 1 side faced by aluminum foil (18 μ) | | | |
| Total mass per unit area | | 270 | $g/m^2$ | ±10% | DIN EN 12127 |
| Total thickness | | 0.25 | mm | ±10% | DIN ISO 4603/E |
| Yarn | warp | EC9-68 | | | DIN EN 12654 |
| | weft | EC9-68 | | | |
| Thread count | warp | 17.0 | per 1 cm | ±5% | DIN EN 1049 |
| | weft | 12.0 | | ±5% | |
| Tensile strength | warp | ≥ 3000 | N/5cm | | DIN EN 13934 |
| | weft | ≥ 2000 | N/5cm | | |
| Service temperature | -36 °C to 180 °C HT adhesive tolerates to 260 °C for short periods, glass fabric and aluminum foil maintain their integrity up to 600 °C | | | | |
| ***Dimensions*** | | | | | |
| Width | | 100 | cm | ±1% | |

### Packing, Transporting, Storage

Fabric wound on the core and individually wrapped in the polyethylene

Rolls fastened on the wooden pallets. Pallets wrapped in the plastic

Covered means of conveyance. Clean and dry storage

### Notes

Fire standards/approvals: **IMO Modules B and D**

TG-200-Al is described as a material having low flame spread characteristics & not capable of producing excessive quantities of smoke toxic products of combustion

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