

FirePro Plus Neoprene Coated Weldblock Glass Cloth

FirePro Plus Technical Data Sheet - 1096N907/V2

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Product code: 1096N907/V2

Finished Fabric	Units	Value	Tolerance
Weight	g/m ²	1520	±5%
Thickness	mm	1.3	±5%
Useable width (standard)	mm	1000	±5%
Roll length (standard)	m	25	
Maximum operating temp. (see fire safety table)	°C	1000	
Colour		Black	

Base fabric construction: 1000 g/m² (±5%), plain weave, warp 5.0/cm (±5%), weft 3.0/cm (±5%), yarn count ET9 1250 (warp & weft).

Tensile strength: Not stated on source data sheet.

Treatment/coating: 520 g/m² total (±10%) - 60 g/m² vermiculite dispersion evenly distributed across both sides, plus 230 g/m² black neoprene coating on each side.

Comments: The mineral-based aqueous dispersion treatment provides a coating of platelets which, at high temperatures, meld to protect the glass fibres from a direct heat source. The cloth will hold molten metal at temperatures up to 1000°C long enough for it to cool and solidify. The neoprene coating itself withstands temperatures up to 180°C; the vermiculite treatment allows the glass cloth to withstand temperatures up to 1000°C, after which the cloth will have embrittled locally. An additional neoprene rubber coating is applied to prevent fibre migration.

Fire safety summary

Parameter	Value	Notes
Base glass fibre	Inherently non-flammable	Standard property of E-glass fibre

Vermiculite treatment rating	Up to 1000°C (unstressed)	Holds molten metal long enough to cool and solidify
Neoprene coating limit	Withstands up to 180°C	Neoprene rubber is a combustible organic material above its rated limit; treat coating and base-fabric ratings separately
Behaviour after max-temp exposure	Localised embrittlement	Cloth should be inspected/replaced after high-temp exposure
Fire classification	Not tested/stated	No EN 13501-1 or equivalent classification held for this product

All figures above are reproduced from the underlying textile manufacturer's technical data and are guides only. Tolerances apply as stated. If any value is of critical importance to your application, we strongly recommend independent testing. Test methods mentioned are guides only; actual methods may differ slightly in practice. Suitability of the product for any specific application is at the discretion of the user.

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