

DATASHEET: TG430-AL

Description

Valmiera Glass TG430 - AL is a medium weight fibreglass fabric laminated to an 18 micron aluminium foil. This product is specifically designed for applications in harsh and severe environments, the laminate is high temperature and fire resistant and reflective on one face.

Applications: Removable insulation pads, flange and valve covers, mattresses, automotive bellows and heat shields, equipment covers and protective safety clothing.

		Technical Data		<u>Tolerance</u>	<u>Test Methods</u>
<u>Parameter</u>					
<u>Base fabric</u>					
Yarn	Warp	EC9 136			DIN EN 12654
	Weft	EC9 136			
Thread Count	Warp	19.0	per 1 cm	± 0.5	DIN EN 1049
	Weft	11.0	per 1 cm	± 0.5	DIN EN 1049
Weave	3/1 Broken Twill				DIN ISO 9354
Tensile Strength (typical)					DIN EN 12654
	Warp	1000 N/cm			
	Weft	500 N/cm			
Weight	430 g/m ²			± 5%	DIN EN 12127
<u>Laminate</u>					
Composition	Woven E-glass fabric / HT adhesive / 18 micron aluminium foil				
Weight	495 g/m ²			± 10%	DIN EN 12127
Thickness (typical)	0.44 mm			± 10%	DIN ISO 4603/E
Temperature Resistance	-36 to 180 ° C				
HT adhesive tolerates 260 ° C for short periods, glass fabric and aluminium foil maintain their integrity up to 600°C					