

Product data sheet – AluCoat – AluGlas.W180

ALUMINIUM COATED GLASS FIBRE WOVEN FABRIC

Physical properties	Unit	Value			
Density	g/cm ³	2.6			
Monofilament diameter	µm	17			
Filaments/tex	-	1			
Fibre/Alu volume ratio	Vol. - %	50/50			
Moisture content	Mass - %	< 0,15			
Loss on ignition	Mass - %	2			
Warp and weft density	Thr/cm	8,5/8,5			
Tensile strength in warp and weft	N/50mm	3000/3000 ± 10%			
Roving linear density in warp and weft	Tex	50/ 50	50/ 50	200/ 200	600/ 600
Elongation at break	%	1,5			
Kind of interweaving	-	Canvas	2/2 twill spread	2/2 twill	2/2 twill
Thickness	mm	0,4			
Width	mm	1200	1200	1200	1200
Area weight	g/m ²	100	150	340	440
Thermal properties					
Melting temperature	°C	660			
Working temperature under load	°C	< 400			
Other properties					
Sizing	-	Epoxy based		Compatibility: - PA ++ Epoxy	
Carbon footprint	CO ₂ -eq/kg	8.2			
Storage conditions	-	Dry, moisture-protected place. The shelf life is not limited.			

The values in the data sheet apply only to this specific yarn. The data listed here is within the normal range of product properties but should not be used to establish specification limits nor used alone as a basis for design. The underlying tests were conducted at standard environment of 20 °C and 60 % humidity.

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Caution: Do not use this product for medical applications that require permanent implantation in the human body.

FIBRECOAT