

Product data sheet – AluCoat - AluBas.F180

ALUMINIUM COATED BASALT FIBRE CHOPPED

Physical properties	Unit	Value			
Raw rowing Density	g/cm ³	2.6			
Raw rowing linear density	tex	300			
Monofilament diameter	µm	23 - 28			
Filaments/tex	-	1			
Fibre volume ratio	Vol. - %	50			
Moisture content	Mass - %	< 0,15			
Chopped length	mm	6	12	18	24
Loss on ignition	Mass - %	2			
Bulk density	g/L (g/cm ³)	345 (0,345)			
Thermal properties					
Melting temperature	°C	660			
Working temperature under load	°C	< 400			
Them. conductivity	W/mK	120			
Other properties					
Sizing	-	PUR based	Compatibility: ++ PA, Epoxy + PE, PP		
Carbon footprint	CO ₂ -eq/kg	7.7			
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.