

S&P A-Sheet 120

Sheet of aramid fibre for **dry and wet lay up**

01/08

Technical data (unidirectional)	290 g/m²
Elastic modulus [kN/mm ²]	120
Tensile strength [N/mm ²]	2900
Fibre weight [g/m²] (main direction)	290
Weight per unit area of sheet [g/m ²]	320
Density [g/cm ³]	1.45
Elongation at rupture [%]	2.5
Design thickness (fibre weight/density) [mm]	0.20
Theoretical design cross-section 1000 mm width [mm ²]	200
Reduction factor for design (manual lamination/UD sheet)	1.3 (recommended by S&P)
Tensile force of 1000 mm width ultimate [kN]	$\frac{200 \cdot 2900}{1.3} = \underline{\underline{446.2}}$
Delivery: (Special sheets upon request)	Width: 300 mm Length roll: 100 m
Application:	<ul style="list-style-type: none"> • Impact protection • Explosion protection

As of all other technical indications and information provided by us, the only purpose of this data sheet is to describe the nature of this product, as well as its possible applications and fields of use. However, it does not guarantee certain properties of this product or its suitability for a determined purpose of application; furthermore, the directions for use given in this data sheet are not complete. Since this data sheet is subject to modification, it is the duty of our clients to ensure that they refer to the latest version.

The updated data sheets can be obtained at all times from all our locations. In addition, the current general terms of business are applicable.