



## Data Sheet for the Fabric BULLFLEX® ff

Material:	Polyamide 6.6 (Nylon)		
Weight [g/m <sup>2</sup> ]:	approximately 660		
Thickness of the fabric [mm]	approximately 1.0		
Tensile Strength and maximum Elongation according DIN 53857-1			
Tensile Strength (at 100 mm width) [N]:	weft:	min 12,000	
	warp:	min 24,000	
Maximum Elongation [%]:	weft:	approximately 20	
	warp:	approximately 20	
Friction factor BULLFLEX® <sub>grout filled (wet and dry)</sub> / Steel $\mu$ :	0.5		
Airflow through fabric at pressure [mbar]:	10	20	30
[l/min x 100cm <sup>2</sup> ]:	approx. 6.5	approx. 13	approx. 19
Water flow through fabric:	= airflow -5% to -10%		
Remaining tensile strength after 1 year of light exposure in Florida [%]:	20 – 30		
Solubility:	concentrated inorganic acids and Phenol		

Creep elongation:

Off: -“Geotextiles and Geomembranes in civil Engineering”, page 156  
ff., published by A.A. Balkema/Rotterdam/Boston/1986,  
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Polyamide 6.6 has got a creep elongation with a constant stress of 60 % of the maximum within one year of approximately 16.5 % (approx. 6 % stress constant at 20 %).

For the installation of pre-stressed Polyamide fabrics for a longer period (10 to 100 years) a pre-stress of maximally 40 % of the maximum stress force is recommended. This corresponds at a round woven Bullflex®-Hose to an effective overpressure of 1.75 bar (10.9 psi).

Subject to change on technical reasons!