

**Internal Product Specification as per DIN53857**

for glass fibre tissue and determination of the mechanical characteristics within the scope of the internal inspection

**Material and Construction Data**

Class of Material:	
Warp:	E-glass
Weft:	E-glass
Density of thread: (10 cm)	
Warp:	15 leno threads
Weft:	13 weft threads
fabric weave:	
edge weave:	leno/cut edge
Surface weight (raw material)	
Surface weight (finished material)	131 g/m <sup>2</sup> 165 g/m <sup>2</sup>
Loss on ignition	
other characteristics:	25.9 % alkali resistant, slip proof

**Tensile Strength per 5cm**

	measured value	target DIN 53857
Tensile Strength Warp (N/5cm) (Original condition)	2195 N	1750 N
Tensile Strength Weft (N/5 cm) (original condition)	2260 N	1750 N
Tensile Strength Warp (N/5cm ) after 28 days in 5% lye of bicarbonate of soda	1245 N	850 N
Tensile Strength Weft (N/5cm) after 28 days in 5% lye of bicarbonate of soda	1265 N	850 N
Tensile Strength Warp (N/5cm) after 6 hours in alkaline solvent at 80° C	1135 N	750 N
Tensile Strength Weft (N/5cm) after 6 hours in alkaline solvent at 80° C	1175 N	750 N