

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:	24 leno threads
Weft:	22 weft threads

fabric weave:

half leno

edge weave:

half leno/cut edge

Surface weight (raw material) 133 g/m²Surface weight (finished material) 165 g/m²

Loss on ignition

24 %

other characteristics:

alkali resistant, slip proof

Tensile Strength per 5cm

	measured value	target DIN 53857
Tensile Strength Warp (N/5cm) (Original condition)	2025 N	1750 N
Tensile Strength Weft (N/5 cm) (original condition)	2140 N	1750 N
Tensile Strength Warp (N/5cm) after 28 days in 5% lye of bicarbonate of soda	1037 N	850 N
Tensile Strength Weft (N/5cm) after 28 days in 5% lye of bicarbonate of soda	1095 N	850 N
Tensile Strength Warp (N/5cm) after 6 hours in alkaline solvent at 80° C	1025 N	750 N
Tensile Strength Weft (N/5cm) after 6 hours in alkaline solvent at 80° C	1045 N	750 N