Technical Data Sheet

Article 122  Meshes 4 x 4  19.05.2011

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/m²
Surface 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