

CHB / BINDING, BEDDING AND SEPARATION

Polyester Woven Fabric Tape

High-strength woven binding fabric

White polyester woven fabric for binding and separating cable components where stronger mechanical restraint is required.



0.14-0.22 mm

NOMINAL THICKNESS

90-150 g/m²

NOMINAL MASS

120-280 N/cm

MIN. TENSILE STRENGTH

Five CHB grades

GRADE RANGE

CABLE CORE BINDING AND LAYER SEPARATION

Stronger binding for demanding cable constructions.

Interlaced polyester yarns form a strong fabric wrap. The CHB range offers higher specified tensile strength than the CWB nonwoven range, making it a useful choice where a laid-up core needs firmer restraint through subsequent manufacturing stages.

Typical applications in cable production

Power cable core binding

Retains laid-up insulated cores and fillers before subsequent screening, bedding or sheathing operations.

Control and instrumentation cables

Binds multi-core assemblies where the design needs a stronger fabric wrap during handling and manufacture.

Separation between components

Provides a physical separator between the core, screens and sheath layers where specified by the cable design.

Fabric wrapping and bedding

Adds a textile interface around the core where a robust wrap is required. Select thickness for the mechanical and dimensional needs.

Material advantages

Higher binding strength

Specified tensile minima of 120-280 N/cm across the CHB range.

Interlaced yarn structure

Woven construction gives a coherent fabric wrap around the core.

Core restraint

Supports binding where firmer mechanical holding is needed.

Layer separation

Creates a textile interface between cable components.

Grade choice

Five thicknesses balance binding strength and construction size.

Custom supply

Slit widths and winding styles can be specified for your equipment.

WHEN TO CHOOSE WOVEN

Choose woven when higher binding strength and core restraint are the main requirements. Choose nonwoven when a thinner, lighter, more conformable separator will meet the mechanical duty. Compare the actual grade values and validate the wrap on your line.

White polyester fabric for mechanical binding and separation. Water-blocking, conductive and fire-barrier functions require suitable specialist grades.

Technical data

CHB / Polyester Woven Fabric Tape

PROPERTY	UNIT	CHB-14	CHB-16	CHB-18	CHB-20	CHB-22
Thickness	mm	0.14 ±0.02	0.16 ±0.02	0.18 ±0.02	0.20 ±0.02	0.22 ±0.02
Mass per unit area	g/m ²	90 ±10	120 ±10	125 ±10	135 ±10	150 ±10
Min. tensile strength	N/cm	≥120	≥200	≥230	≥250	≥280
Min. elongation	%	≥20	≥20	≥20	≥20	≥20
Max. moisture content	%	≤5	≤5	≤5	≤5	≤5

Tensile test direction and test methods are not specified in the supplied CHB data. Temperature ratings have not been stated for this woven range.

Choosing woven or nonwoven

SELECTION FACTOR	WOVEN / CHB RANGE	NONWOVEN / CWB RANGE
Primary reason to choose	Higher binding strength and firmer core restraint.	Thin, lightweight, conformable bedding and separation.
Nominal thickness / mass	0.14-0.22 mm / 90-150 g/m ²	0.05-0.20 mm / 25-70 g/m ²
Specified tensile minima	120-280 N/cm across grades.	25-50 N/cm across grades.
Processing trade-off	Higher tensile capacity; verify stiffness and slit-edge behaviour.	Lower tensile capacity; use tension suited to the selected grade.

Comparison is specific to these CTUK ranges. Other nonwoven products can use scrim reinforcement and have different mechanical properties. Tensile figures are not a direct like-for-like test comparison because the CHB method and test direction are unspecified.

Supply and application guidance

Custom sizes, slit widths and winding styles are available on request. Specify the grade, width, core dimensions, maximum roll diameter and winding format. Control tension and overlap to retain the core without damaging underlying components. Keep material clean and dry; validate compatibility with the sheath compound and subsequent processing.

Material properties do not guarantee finished-cable performance. Product image is representative; surface texture can vary by grade.