



Waxman

The fibre to produce
inherently FR
mattress ticking



A natural look and feel -

Kanecaron *Pw*
MATTRESS TICKING

Basic Concepts

Woven Product

Use standard cellulosic as a warp (eg cotton or viscose) and (100%) Kanecaron PW as a weft. A minimum of 40% Kanecaron PW is recommended as a percentage of the total fabric weight.

This combination will help to achieve the following international FR mattress ticking standards:

UK: BS 7177 (*cigarette & match, Crib 5 and Crib 7*)

EU: BS EN ISO 12952 Parts 2 & 4

IMO: Res A.688(17)

USA: 16CFR1633 (*As part of a composite*)

Knitted Product

Intimate blends of PW with cotton or viscose can be used on the face of knitted tickings to pass European Standards - Please refer to Waxman.

Kanecaron PW
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What is Kanecaron PW?

Kanecaron PW is a very special modacrylic (modified acrylic) fibre that is inherently flame retardant: the flame retardancy exists for the life of the product.

How does it work?

Kanecaron PW has excellent charring characteristics as well as superior flame retardant properties (LOI 34). The PW fibre, in conjunction with cotton or other cellulosic fibres, produces inherently FR mattress ticking fabrics with the handle, comfort and advantages of cotton.

The importance of charring

This is of critical importance in mattress ticking fabrics, where the charred area (formed after burning) creates a barrier that prevents any substrate from igniting. The cellulosic warp, combined with Kanecaron PW in the weft (which together exhibit excellent charring properties) are an ideal combination – unlike FR polyester, which exhibits melting behaviour.

Features	Benefits
Inherently FR	Kanecaron PW is permanently and inherently FR: safer than chemical treatments and without loss of FR performance after repeated laundering, dry cleaning or spot cleaning
Woven product Standard cellulosic warps	Cellulosic warps are competitive, attractive and easily available. No necessity to change to costly FR warps
Weft only solution	Kanecaron PW is recommended (in 100% form) as a weft, adding superior flame retardancy (LOI 34) as well as charrability
Knitted product Blending fibre	Kanecaron PW is an ideal blending fibre with cotton and other cellulose. This results in the final fabric having the dual advantages of the inherent FR characteristics of Kanecaron PW, as well as the known qualities of cotton or cellulosic fibres
Comfort	Cotton rich blends maintain the features of natural fabrics, with their comfort and handle
Natural look and feel	The look of cotton coupled with the natural lustre of Kanecaron PW combine perfectly
Standard dyeing	Kanecaron PW dyes in a similar manner to standard acrylic, thus allowing an unlimited choice of colours and shades

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Technical Data	PW
Limiting Oxygen Index (LOI)	34
Fibre Specification	1.9 d'tex x 38mm
Lustre	Matt
Tenacity (cN/dtex)	3.3
Elongation (%)	30
Young Modulus (Gpa)	2.2
Specific Gravity	1.4
Shrinkage (boiling water x 30mins)	< 4%

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