



The fibre to produce
inherently FR
bedding



A natural look and feel - **Kanecaron Pc**
BEDDING

Basic Concept

With an **intimate spun** blend of 65% Cotton (or other cellulosic fibre) and 35% Kanecaron PC in both warp and weft, the resultant fabric produces an ideal inherently flame retardant bedding product.

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

UK/EU: **BS EN ISO 12952-2 and 12952-4**

USA: **Pending 16CFR1634**
(as evolved from California's TB604)

What is Kanecaron PC?

Kanecaron PC is a very special modacrylic (modified acrylic) fibre that is inherently flame retardant. Kanecaron PC is our finest fibre at 1.7 d'tex and can thus be spun to finer counts for higher quality fabrics, particularly in applications such as bedding.

How does it work?

Kanecaron PC has excellent charring characteristics as well as superior flame retardant properties (LOI 32). These, in an intimate blend with cotton or other cellulosic fibres, produce inherently FR bedding fabrics with the handle, comfort and advantages of cotton.

The importance of charring

This is of critical importance in bedding fabrics, where the charred area (formed after burning) creates a barrier that prevents any substrate from igniting. The intimate blend of Cotton/Kanecaron PC is an ideal combination for preventing the continuation and spread of the flame, as well as maintaining the integrity of the fabric. Unlike FR polyester (which exhibits melting behaviour), the Cotton/Kanecaron PC fabric chars.



Features	Benefits
Inherently FR	Kanecaron PC is permanently and inherently FR. This is safer than chemical treatments and there is no loss of FR performance after repeated laundering, dry cleaning and spot cleaning
Fine decitex	Kanecaron PC is available in 1.7 d'tex, allowing the spinning of fine yarns for high quality bedding
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 PC combine perfectly
Blending fibre	Kanecaron PC 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 PC, as well as the known qualities of cotton or cellulosic fibres
Standard dyeing	Kanecaron PC dyes in a similar manner to standard acrylic, thus allowing an unlimited choice of colours and shades

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Technical Data	PC
Limiting Oxygen Index (LOI)	32
Fibre Specification	1.7 d'tex x 38mm
Lustre	Matt
Tenacity (cN/dtex)	2.0
Elongation (%)	20 - 40
Young Modulus (Gpa)	2.4 - 3.3
Specific Gravity	1.6
Shrinkage (boiling water x 30mins)	< 5%

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