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**Kanecaron PE**  
UPHOLSTERY

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The fibre to produce  
**inherently FR**  
upholstery

A natural look and feel - **Kanecaron PE**  
UPHOLSTERY

## Basic Concept

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

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

UK: BS 5852 Part 1 (cigarette & match - domestic)  
 BS 5852 Part 2 (crib 5 - contract)  
 EU: BS EN 1021 Parts 1 & 2 (cigarette & match - contract only)  
 IMO: Res A652(16)

## What is Kanecaron PE?

Kanecaron PE is a very special modacrylic (modified acrylic) fibre that is inherently flame retardant.

## How does it work?

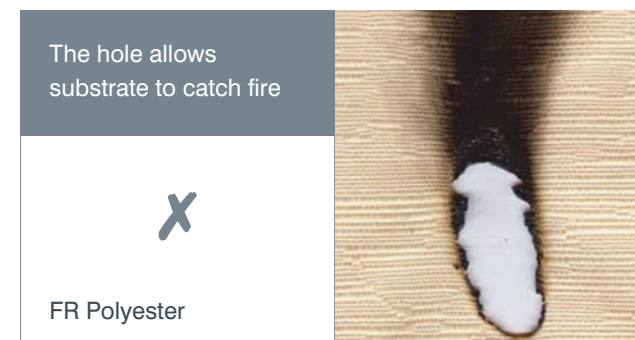
Kanecaron PE has excellent charring characteristics as well as superior flame retardant properties (LOI 34). These, combined with a cellulosic warp, produce ideal FR upholstery fabrics resulting in a beautiful and cotton-like look.



## The importance of charring

This is of critical importance in upholstery fabrics, where the charred area (formed after burning) creates a barrier that prevents any substrate (such as upholstery foam) from igniting.

The cellulosic warps (which exhibit excellent charring characteristics), combined with Kanecaron PE, are an ideal combination (unlike FR polyester which exhibits melting behaviour).



# The fibre to produce inherently FR upholstery fabrics



Features	Benefits
Inherently FR	Kanecaron PE is permanently and inherently FR: safer than chemical treatments and without loss of FR performance after repeated laundering or dry cleaning
Standard cellulosic warps	Cellulosic warps are competitive, attractive and easily available. No necessity to change to costly FR warps
Weft only solution	Kanecaron PE is recommended (in 100% form) as a weft, adding superior flame retardancy (LOI 34) as well as charrability
Natural look and feel	The look of cotton coupled with the natural lustre of Kanecaron PE combine perfectly
Standard dyeing	Kanecaron PE dyes in a similar manner to standard acrylic, thus allowing an unlimited choice of colours and shades

Technical Data	PC
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 30 minutes)	< 4%