

Protex® Fiber for Flame Retardant Clothing





Protex Fiber

Protex is a high performance inherently flame retardant self-extinguishing fiber. Its advanced FR properties when blended with non-FR fibers improve their overall performance.

$$\begin{array}{c|c}
CH_2-CH \\
CN
\end{array}$$

$$\begin{array}{c|c}
Cl \\
CH_2-C \\
Cl
\end{array}$$

KANEKA is a multi-national company focused on the production of chemical products. It is also the world's leader in the manufacture of modified acrylic (modacrylic) fiber used in flame retardant (FR) garments for protection against fire.

Fiber Characteristics

Inherently Flame Retardant



- Soft, Drapeable Hand
- Blendable with a Range of Fibers



Chemically Resistant to Acids & Alkalis





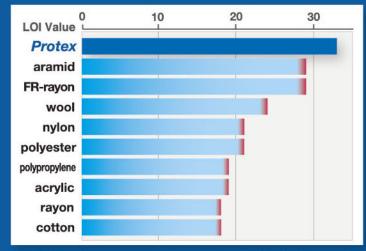




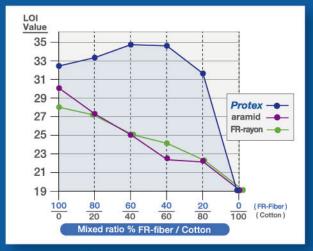


Supporting Data

LOI value comparison of fibers



LOI value / FR-fibers blended with cotton



Note 1. The above are test results conducted by Kaneka Corporation and are not guaranteed.

Note 2. LOI (Limiting Oxygen Index): The minimum concentration of oxygen, expressed as a volume percentage, that when combined with nitrogen will support the combustion of fibers.

Key Benefits

Protex Blended FR Clothing provides the following features in addition to its inherent FR Properties.

Superior Comfort

Soft and drapeable hand very effective moisture management properties with natural fiber blends.



FR-Durability

Built-in FR properties won't wash out!



FR Compliance

Protex meets the world's FR standards, such as those represented by



NFPA 2112 / 70E (Dual Hazard)



High Visibility Colors

Hi-vis color options (Yellow, Orange) to meet industry safety needs.



Cost **Performance**

More competitive life cycle cost achieved with greater durability and superior after wash appearance.



Safety Study Support

Peer reviewed, published scientific studies demonstrating the safety of Protex blended FR apparel.

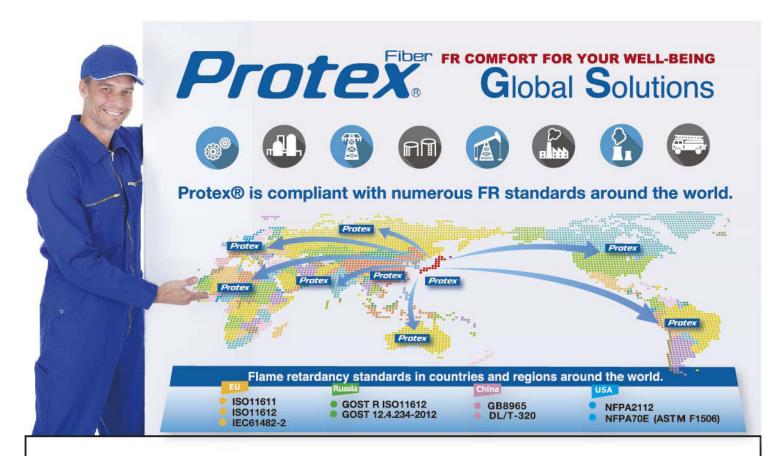


Oeko-tex Certified

Oeko-tex Standard 100, Class 1 rating achieved through the use of Protex-Q fiber.







modacrylic.com





M	ΝЛ	^
IVI	IVI	U

Kaneka Corporation Osaka Head Office, Kanecaron Division

2-3-18, Nakanoshima, Kita-ku, Osaka, 530-8288, Japan Tel.:+81 (0)6-6226-5223

Kaneka Americas Holding, Inc.

546 Fifth Avenue, 21st Floor, New York, NY 10036

Tel.: +1 (800) 526-3522

Kaneka Europe Holding Company N.V.

Alma Court, Lenneke Marelaan 4, 1932 Zaventem, Belgium Tel.: +32-(0)2-663-0183

Kaneka Trading (Shanghai) Co.,Ltd.

39th Floor, Hang Seng Bank Tower, 1000 Lujiazui Ring Road, Pudong New District, Shanghai, China Tel.: +86-(0)21-5879-5437