

# SMOOTH OPERATIONS SAFE, RELIABLE AND RESISTANT

**Litia** high performance yarns  
with MODACRYLIC fibres

- high flame retardancy (FR), dyeability and softness to the touch
- soft, strong, resilient, and dimensionally stable yarns that can be easily dyed, have good press and shape retention, are quick to dry, have outstanding resistance to chemicals and solvents, and are non-allergenic
- a wide range of applications, not only in terms of protective clothing for various industries, but also for furnishings, draperies and outdoor fabrics

**Litia**  
*tech*

Technical yarns for industry & personal protection

# Litia modacrylic flame-retardant performance yarns



Modacrylic flame-retardant is a performance fibre that is dyeable, possesses high levels of flame retardancy (FR) and is soft to the touch. It is a self-extinguishing FR fibre that imparts excellent flame-retardancy to fabrics in blends with other fibres.

The flame-retardant yarn made with modacrylic fibre is a highly flame resistant product with excellent self-extinguishing properties. After being removed from the flame source, this material will form a char barrier that puts out any fire without creating dangerous molten droplets. Modacrylic fibres can be blended with cotton and other cellulose fibres to increase the softness and moisture absorption ability of the yarns. Modacrylic fibres can also be blended with high performance fibres to ensure the highest standards of protection.

Its flame retardancy performance does not decrease after repeated washing or use over a long period of time.

SEVEL



MODACRYLIC FIBRE

In terms of flame resistance, we use two types of modacrylic SEVEL fibre:

- Type FRS
- Type FRSA

Both types:

- have permanent flame retardancy (FR)
- possess superior wash resistance
- are non-toxic and non-allergenic
- are easy to dye, much like the dyeing process for acrylic fibre
- are resistant to chemical agents and solvents

Applications:

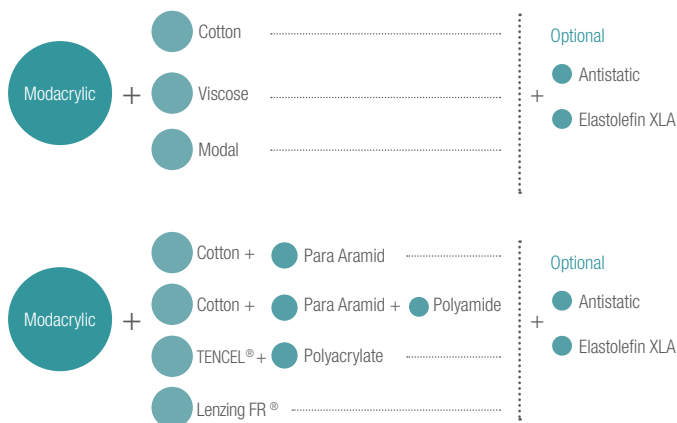
Modacrylics are used primarily in applications where environmental resistance or flame retardancy is required. They are used by most technical fabric producers in order to create comfortable and protective blends for personal protective clothes. There are many blends available on the market for fire protection, uniforms, pyjamas, underwear and insulation.

The purpose of protective clothing containing modacrylics is to protect workers from occasional and brief contact with small flames in circumstances where there is no significant heat hazard or other types of heat.

This combination of flame retardancy and low density is also useful in furnishings, draperies and outdoor fabrics.



Nm 6- Nm 100 (Ne 4- Ne 60)



Litia yarns made of modacrylic-cotton, modacrylic-viscose and modacrylic-modal in raw white colour are certified according to Öko-Tex® Standard 100 product class I.

ISO 9001  
BUREAU VERITAS  
Certification



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