

Lenzing FR is ... ?

1. Lenzing FR is an inherently flame resistant fiber, based on High Wet Modulus cellulose fiber. Unique thermal insulation properties combined with permanent flame resistance make that it offer protection from all kinds of heat and flame. Lenzing FR is biodegradable and environmentally friendly, because it is made of natural pulp.
2. The most important goal of protective clothing is to prevent the skin from burns. After all, the skin is the body's largest and most sensitive organ. Protective clothing made with blends of Lenzing FR are softer and more comfortable than those using 100% aramid fibers.

3. Lenzing FR offers protection from all kinds of heat.

Moisture absorption along with breathability and skin friendliness all have to be a given as all are vital components in flame resistant protective clothing.

Lenzing FR is a natural, flame resistant fiber with excellent moisture absorption and breathability properties. These properties make it possible for Lenzing FR to significantly reduce the risk of heat stress and heat stroke.

Specially, the function of aramid is enhanced with a blend of Lenzing FR and aramid.

□ Lenzing FR offers protection from all kinds of heat.



FIRE



RADIANT HEAT



ELECTRIC ARCS



MOLTEN METALS



FLASH FIRES

4. Lenzing FR in the ACT.

Industry protective clothing (Electric, Iron, Car, Shipbuilding, Metal)
Uniforms for fire man, police man, military man and workers of oil
Company.

Innerwear, kids wear, fabric for furniture, curtain, hometextile,
Seats for trains and air plane, hood etc.)



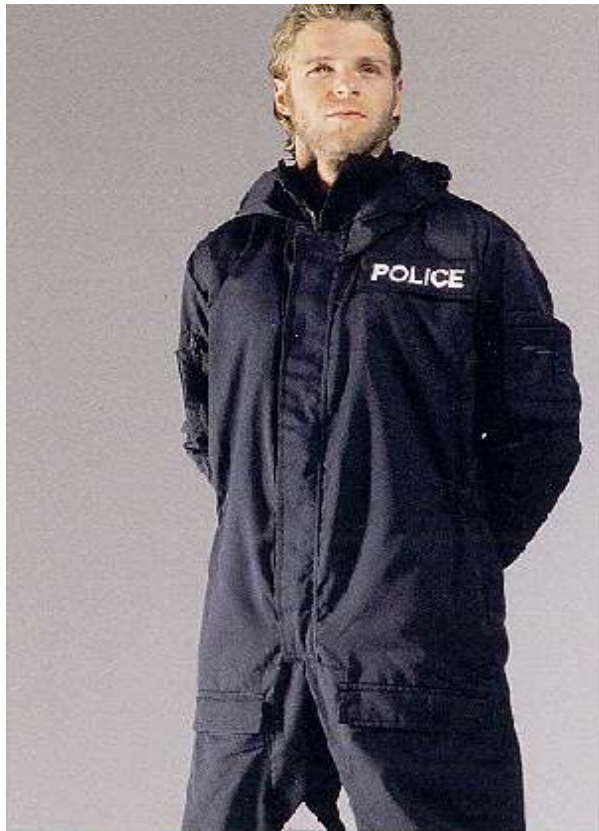
Metal industry



Petrochemical industry – flash fires



Armed forces



Police forces – flash fires



Fire brigades



Utility workers

□ Lenzing FR

ECOSIL®
DAE, (1998)

□ Innerwear, Hood



5. Features and Benefits of Lenzing FR

- 1) Inherently flame resistant.
- 2) Superior Thermal Protection Properties.
- 3) No loss of flame resistance in laundering or dry cleaning.
- 4) Low thermal shrinkage when exposed to flame.
- 5) Excellent wear comfort.
- 6) Reduces heat stress and fatigue.
- 7) Breathable and non-irritating to the skin.
- 8) High electrical arc resistance.

- 9) No melting when exposed to heat or flame.
- 10) Viscose fiber is biodegradable.
- 11) Easily dyed – produces brilliant colors.
- 12) Natural anti-static properties.
- 13) Light fast and UV stable.
- 14) Easy to process on conventional equipment.
- 15) Compatible with other fibers (aramids, wool, etc.)
- 16) Fiber and pyrolysis gases are totally non-toxic.
- 17) Chemically stable.

6. We produce ...

1) Lenzing FR 100% : Ne 16'/1 ~ 40'/1

2) Lenzing FR 70% / Aramid 30% : Ne 16'/1 ~ 40'/1



SAMIL SPINNING CO., LTD.

Thank you