

Klopman Media Relations

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New product launch ***November 2009***

Klopman launches Sungrazer, another high performance fabric incorporating the first use of PPS fibre in the textile PPE clothing sector

As the demand for multifunctional protective wear garments continues to grow, **Klopman** has introduced **Sungrazer**, an advanced fabric for multi risk areas, combining flame retardancy and anti-staticity, and incorporating the use of **Fortron[®] PPS** (polyphenylene sulphide), an inherently flame retardant and chemical resistant fibre by **Ticona**.

Fortron[®] PPS was originally developed for use in extremely high temperature conditions and is renowned for excellent performance in a variety of industrial applications such as cooling or breaking systems in the automotive sector, filtration and insulation systems, or pipes for power plants – to name just a few. It is also used in the medical sector. Apart from being extremely resistant to heat, **Fortron[®] PPS** offers superior resistance against sulphuric and hydrochloric acid.

Klopman has always been an innovative textile company and is renowned for the development of a number of fabrics successfully used for garments in all kinds of industrial applications today. With the launch of **Sungrazer**, a 260 g/m², 59% cotton / 40.5% **PPS Fortron[®]** blend with 0.5% antistatic grid, Klopman has introduced **Fortron[®] PPS** into the PPE clothing sector in order to offer yet higher levels of protection to workers potentially exposed to heat and flame as well as industrial liquids, such as break fluids, coolants, fuels or similar substances. The fabric is accredited to EN ISO 11611 & 11612, EN ISO 14116, IEC 61482-1-2 and EN1149-5, as well as EN15614 and ISO 15384*. Certification to EN 13034 for chemical splash protection will follow soon.

Apart from its specific protective properties – being inherently flame retardant and Proban[®] finished, as well as offering protection against chemicals and uncontrolled discharge from static build-up – **Sungrazer** has excellent physical performance levels: Good tear and tensile strength, superior dimensional stability for good shape retention of garments, low shrinkage in washing and a high abrasion resistance which is particularly important in harsh working environments. The specific characteristics of **PPS fibre**, together with the high quality associated with all Klopman fabrics, contribute to superior wearer comfort which also remains after repeated laundering.

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Europe's leading manufacturer of
polyester/cotton and cotton fabrics
for image workwear, protective wear
and casual apparel

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An ideal combination of protection, comfort and performance, **Sungrazer** can be used in a range of industries, including petro-chemicals, refineries, oil and gas industry, or public administration, and also offers a straightforward aftercare, being industrially launderable at temperatures as low as 60°C but up to 85°C.

EN ISO 11611	Protective clothing for use in welding and allied processes
EN ISO 14116	Protective clothing - Protection against heat and flame – Limited flame spread materials, material assemblies and clothing
EN ISO 11612	Clothing for protection against heat and flame
IEC 61482-2	Protective clothing against the thermal hazards of an electric arc - Part 2: Requirements
EN 1149-5	Protective clothing – electrostatic properties
EN 15614: 2007	Protective clothing for firefighters – Laboratory test methods and performance requirements for wildland clothing
ISO 15384	Protective clothing for firefighters – Laboratory test methods and performance requirements for wildland firefighting clothing

Ends

For further information, please visit www.klopman.com

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About Klopman International

Europe's leading manufacturer of polyester/cotton and cotton fabrics for the image workwear, protectivewear and casual apparel markets, Klopman International offers an extensive choice of high performance fabrics with a choice of over 130 fabrics and a palette of more than 120 colours. Routinely specified by leading garment manufacturers, industrial laundries and many of the world's most well-known and highly-regarded organisations and brands, Klopman fabrics are specifically designed for use in the most demanding working environments and maintain a high quality appearance even after repeated high temperature industrial laundering. For more information, visit www.klopman.com