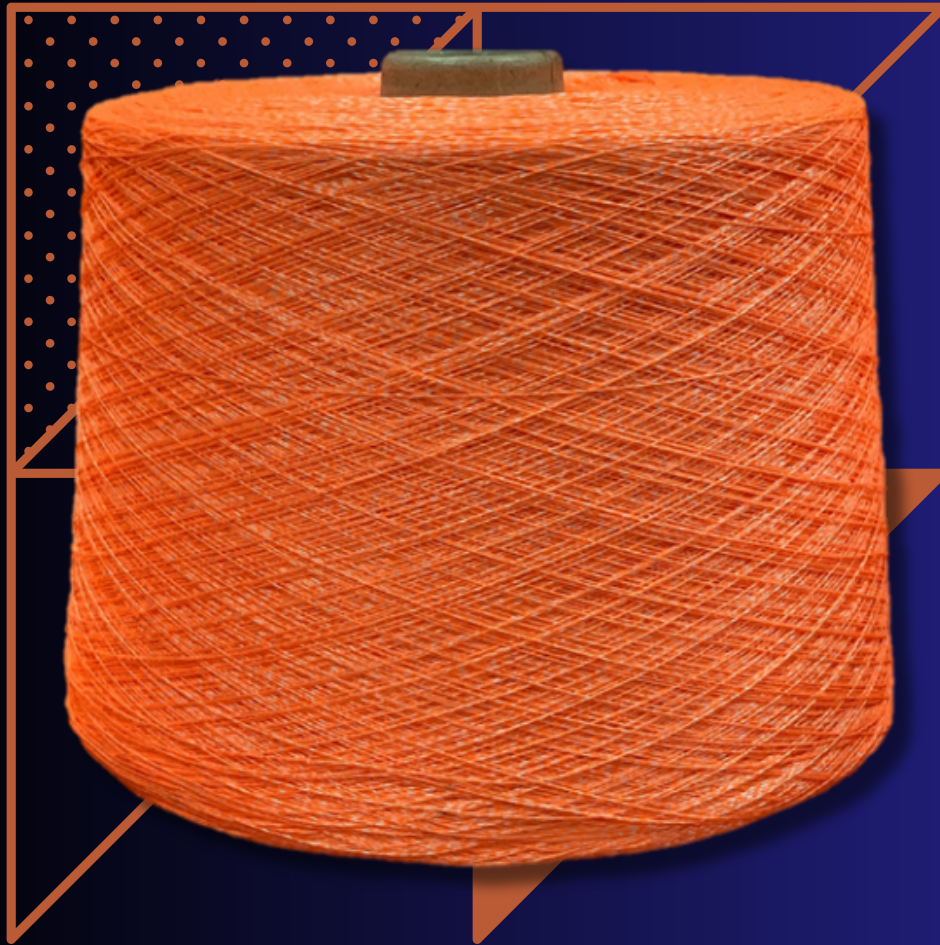




PROVIDING ADVANCED YARN SOLUTIONS
HIGH PERFORMANCE
TEXTILES PVT LTD



**SPINNING INNOVATION
INTO EVERY THREAD**



HIGH PERFORMANCE TEXTILES

PROVIDING ADVANCED YARN SOLUTIONS FOR PROTECTIVE TEXTILES

HPT® yarns are designed to provide protection against thermal, mechanical and electrostatic hazards. These yarns are manufactured using high performance staple fibres reinforced with multifilament components as required for knitting, weaving or braiding applications.

Our HPT Flex® & HPT Cutpro® yarns are engineered to achieve highest level of cut protection alongwith comfort properties, whereas HPT Aracore® is a unique blend of inherent flame-retardant fibres (e.g. para-aramid, meta-aramid, modacrylic, FR-nylon, FR-viscose) used for protection against heat, molten metals and flash-fire requirements.

Recently, we have initiated manufacturing of HPT Anti-Stax® and Savesplash® yarns for protection against electrostatic discharges and arc-flash hazards.



ARAMID BASED YARNS





The HPT Aracore® yarns are designed to provide maximum protection against thermal and mechanical hazards (cut, slash, lacerations).

These composite yarns are manufactured using aramid fibres blended with other inherent flame-retardant fibres (such as meta-aramid, para-aramid, FR viscose, modacrylic, polyamide-imide, FR nylon) and reinforced with high strength filaments.

Tex range: 10-250 (2 or 3 ply available as per requirements)

Suitable for :



Gloves



Balaclava



Apron



Socks



Workwear

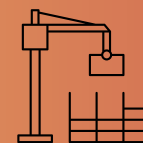
Applications at :



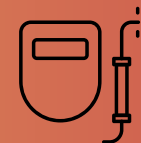
Automotive



Mining



Construction



Welding



Glass



UHMWPE BASED YARNS

HPT Flex® yarns are designed using Ultra High Molecular Weight Polyethylene fibres reinforced with metal and other multifiber components in core/sheath structure.

These yarns are available in Hi visibility colours such as orange, green, yellow and can be made X-ray detectable to avoid cross contamination in food and medical industry.

Suitable: Weaving, Knitting, Braiding;

Tex range: 10-300;

Suitable for :



Gloves



Balaclava



Apron

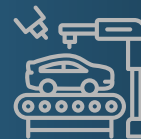


Socks



Shirt

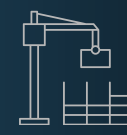
Applications at :



Automotive



Food



Construction



Medical



Glass



HPT Cutpro®

CUT- RESISTANT COMFORT YARNS



HPT CutPro® Yarns are designed using range of staple high tenacity fibres reinforced with composite filaments in core or sheath to achieve highest level of cut performance in gloves, sleeves and socks as well as fabric form (woven and knitted).

Suitable: Weaving, Knitting;

Tex range: 5-250;

Suitable for :



Gloves



Balaclava

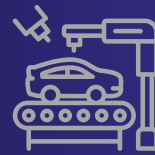


Apron



Socks

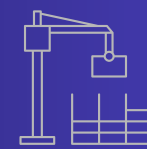
Applications at :



Automotive



Mining



Construction



Welding



ELECTRIC ARC-FLASH YARNS

The HPT Savesplash® yarn is designed to provide protection against electric-arc flash fire. These yarns are manufactured using unique blend of inherent flame-retardant and high performance fibres in certain proportion.

The finished products are tested as per ASTM-F1959 and achieved HRC level 2 and 4.

Suitable: Weaving, Knitting;

Tex range: 45-300;

Colours available: Maroon, Orange and Black.



Suitable for :



Gloves



Balaclava



Apron



Socks



Workwear

Applications at :



Automotive



Mining



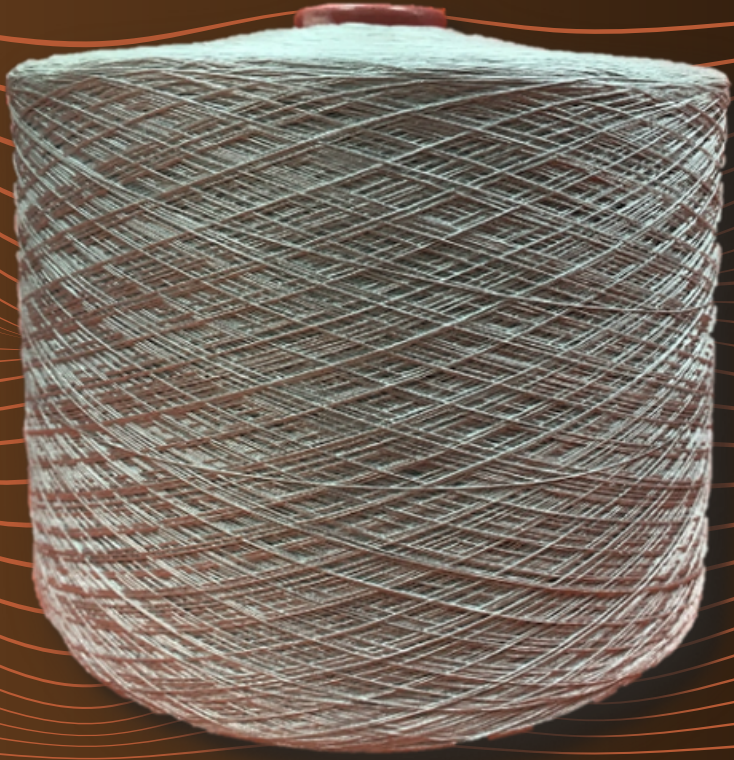
Construction



Welding



Power



ANTISTATIC/ CONDUCTIVE YARNS



HPT Anti-StaX® yarns are manufactured using innovative spinning technique where core conductive fibres are blended with polyester, polypropylene, aramid, nylon fibres to achieve required range of surface resistance in the finished product. These yarns can be used for weaving & knitting applications and the finished products are tested as per EN1149-1, EN1149-3, EN1149-5 and EN61340-5-1.

Suitable: Weaving & Knitting;

Tex range: 10-250;

Suitable for :



Workwear



Balaclava



E-Textiles

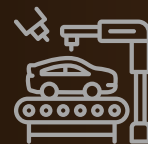


Socks



Gloves

Applications at :



Automotive



Mining



Construction



Welding



Electrical



New
Developments

HPT[®]

HIGH PERFORMANCE

FABRICS

HPT Aracore[®] W50-265 is a cut & heat resistant woven fabric manufactured using blends of para-aramid, modacrylic and stainless steel microfilament in core.

GSM: 265 g/m² ± 5%

Width: 60 inches

Weave: Plain



EN 407 2020: 42211X

Vertical flammability : 4

Contact heat : 2

Convective heat : 2

Radiant heat : 1

Small splashes of molten metal : 1

Large quantities of molten metal : X

EN 388 2016: 4X41E

Abrasion : 4

Cut : X

Tear : 4

Puncture : 2

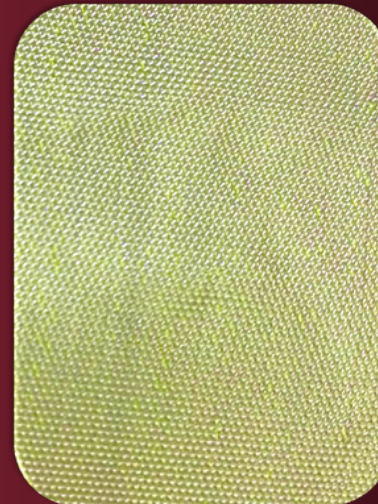
TDM (ISO 13997): Level E

HPT Flex[®] W30-44-200 is a cut-resistant woven fabric manufactured using UHMwPE alongwith stainless steel microfilament in core.

GSM: 200 g/m² ± 5%

Width: 60 inches

Weave: Plain



EN 388 2016: 4X41C

Abrasion : 4

Cut : X

Tear : 4

Puncture : 1

TDM (ISO 13997): Level C



R&D and Testing

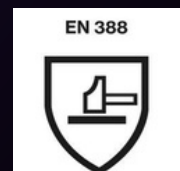
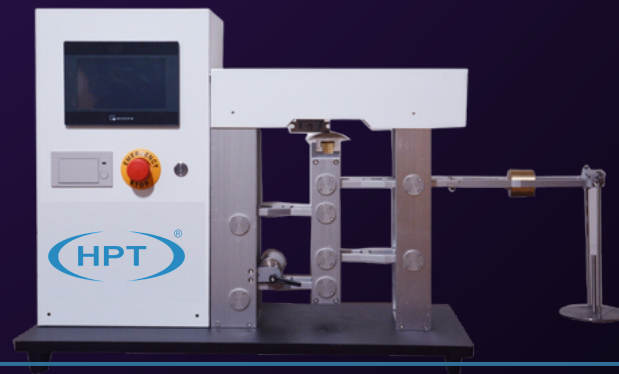
HPT[®]

**IN-HOUSE TESTING &
VALIDATION**



R&D and Testing

Our continuous R&D & testing provides the flexibility to customise and adapt test methods, samples and protocols based on specific requirements. This helps us to maintain confidentiality & protects intellectual property by reducing the risk of information leakage to external parties during the testing process.

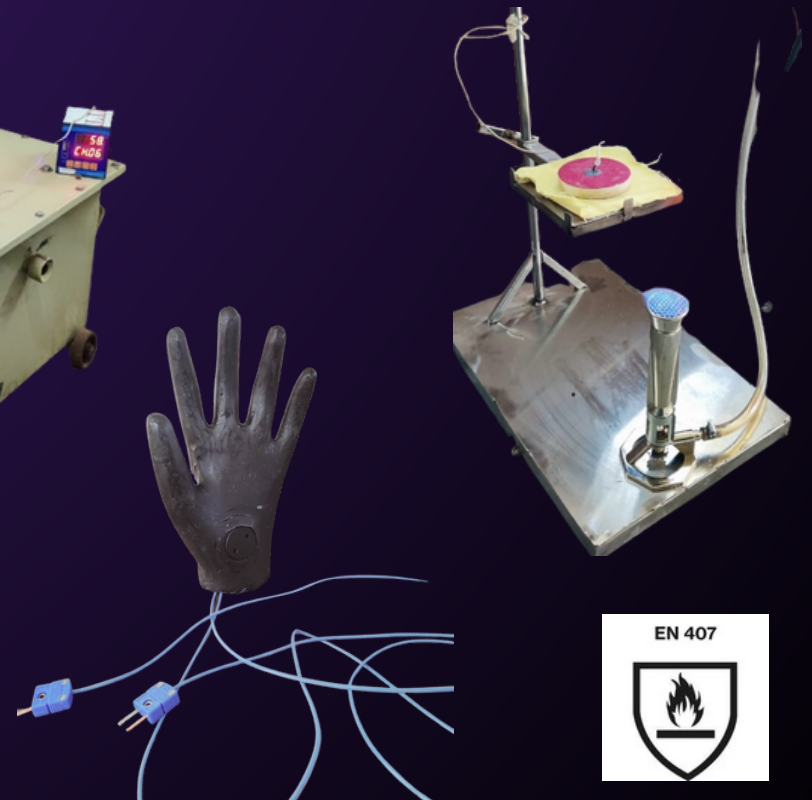
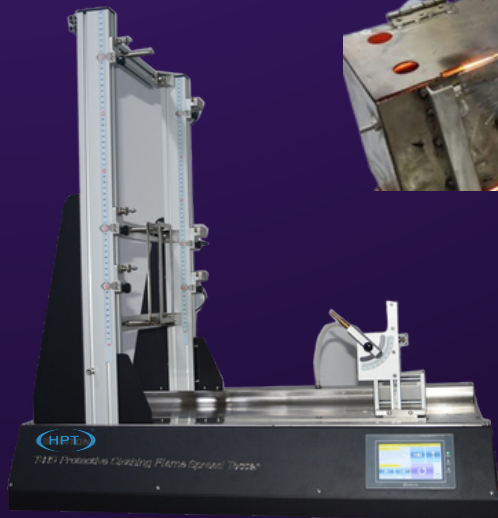




MAXIMIZING SAFETY AND PERFORMANCE

In-House Testing & Validation

We can perform tests for protection against mechanical & thermal hazards such as abrasion, cut, tear, puncture, impact, contact heat, flammability, convective, radiant heat and exposure to molten metals as per EN and ISO standards.



The HPT Aracore logo features a stylized red flame icon to the left of the text 'HPT Aracore' in a blue, sans-serif font, with a registered trademark symbol (®) to the right.The HPT Flex logo features a stylized red and blue eye-like shape to the left of the text 'HPT Flex' in a blue, sans-serif font, with a registered trademark symbol (®) to the right.The HPT Cutpro logo features a stylized blue wave icon to the left of the text 'HPT Cutpro' in a blue, sans-serif font, with a registered trademark symbol (®) to the right.The Savesplash logo features a stylized blue and orange flame icon to the left of the text 'Savesplash' in a blue, sans-serif font, with a registered trademark symbol (®) to the right.The HPT Anti-StaX logo features a stylized blue lightning bolt icon to the left of the text 'HPT Anti-StaX' in a blue, sans-serif font, with a registered trademark symbol (®) to the right.

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