

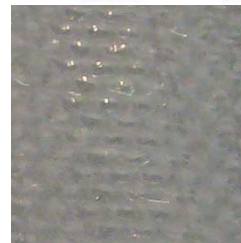
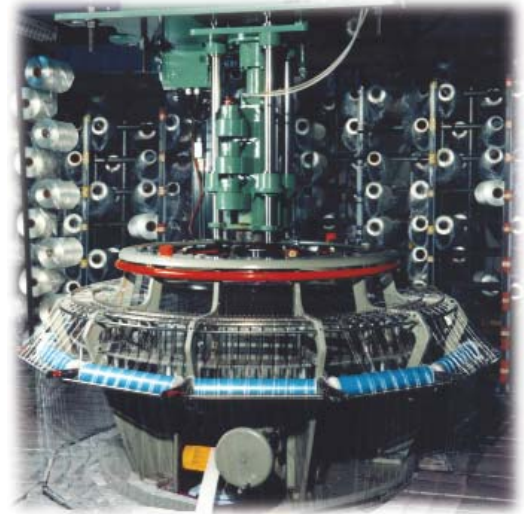


UNIQUE **MERTEX**® LINING PROCESS

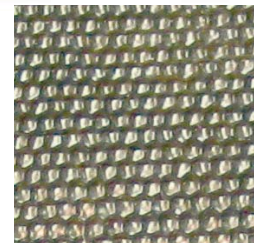
A unique Mertex® process designed especially for the manufacturing of fire hose was developed exclusively by Mercedes Textiles Limited. This process uses a lining material in a molten state which is then introduced into the fabric jacket as it is being woven at the loom. No adhesives, glues or other bonding agents are used in this process. With this method, a smoother waterway is produced, yielding greater water flow at the discharge end. This continuous process is your assurance that Mercedes Fire Hose will provide the most efficient products available. Some advantages of our Mertex® process are:

- The superior liner adhesion of the Mertex® process allows for the use of high strength Filament Polyester yarn in both the warp & weft directions, for a greater burst safety margin
- Creates a virtually inseparable bond without the use of adhesives "NO DELAMINATION"
- Locks fibers together for even greater strength while still allowing for a high flexibility
- Creates an amazingly smooth waterway which yields an extremely low friction (pressure) loss "HIGHER FLOW"
- Produces lower elongation under pressure. Lower elongation means less back pull when water is suddenly shut-off, resulting in a safer hose to work with in firefighting
- Permits manufacturing to any length (Call factory for non-standard lengths)
- Mertex® process >> Canadian patent # 1,295,104, plus patents in 15 other countries

HOSE LOOM WITH "EXTRUDER"
EXPERIENCE UP TO 66% GREATER FLOW



Our Mertex® Process Synthetic Hose Lining (smooth surface = less friction/greater flow)



Example: Competitor's Synthetic hose lining (rough surface = less flow)

PERMATEK HP™ TREATMENT FOR HOSE JACKETS

Permatek HP™ treatment is a high performance polymeric dispersion which saturates each and every fiber of the hose jacket, ensuring superior physical properties. Some of the advantages of the Permatek HP™ treatment are:

- Locks all fibers together for greater strength
- Produces a lower drag coefficient in charged hose lays which results in greater ease of advancement
- Reduces water pickup and absorption
- Provides excellent protection against abrasion
- Provides resistance to petroleum products, hydrocarbons, most solvents and greases
- Excellent resistance against UV and Ozone
- Results in much shorter drying time

PERMATEK HP™ TREATMENT IS AVAILABLE
IN THE 9 NFPA COLORS



Note: Actual hose colors may vary

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