MERCEDES TEXTILES LIMITED
FORESTRY PRODUCTS

PYROBLEND®

Cotton/synthetic blends in a non-percolating ULC approved fire hose provide excellent abrasion and heat resistance.

Applications

- Forestry agency attack hose

Features and Benefits

- Superior heat and abrasion resistance
- Remarkably light weight and compact
- Unique Mertex® lining
- Premium all synthetic single jacket
- Standard treatment of cotton jacket includes anti-fungal and anti-microbe as per ULC S518/S519 and CGSB CAN2-4.2 method 28.3
- Resistant to most chemicals, petrol products, ozone and U.V. exposure, and hydrolysis
- Meets or exceeds all performance requirements of NFPA 1960 (1961), U.L.C S518-M90, ULC 400° C Hot Block test and USDA spec 5100-186
- Meets ULC requirements and can be labeled upon request in the sizes* specified below

DIAMETERS

1.00in/25mm

1.50in/38mm

Hose Spec	Trade Size		Bowl Size		Weight Un-coupled 100'(30.5M)		Coil Diameter 100'(30.5M)		Service Pressure		Proof Pressure		Burst Pressure	
	In.	mm	In	mm	LBS	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
760	1.00	25	1 5/32	29	8.5	3.9	15.0	38.1	300	2 070	600	4 140	900	6 200
708	1.5*	38*	1 11/16	43	13.0	5.9	15.0	38.1	300	2 070	600	4 140	900	6 200

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HOW TO SPECIFY PYROBLEND®

THE HOSE SHALL BE SINGLE JACKET WITH A SERVICE TEST PRESSURE OF 300 PSI / 2070 KPA.

JACKET
The jacket shall be made with 100% virgin spun cotton and filament polyester warp yarn and high tenacity filament polyester filler yarn tightly woven in twill weave and shall have a minimum filler (weft) yarns of 13.7 per inch (539 per Meter).

The hose jacket treatment shall include anti-fungal and anti-microbe as per ULC S518/S519 and CGSB CAN2-4.2 method 28.3

LINING
The lining (waterway) must be made from polyurethane and must be applied using a fused process that welds the polyurethane directly to the textile while the hose is being woven, without the use of adhesives or hot melt. The fused lining process must create a virtually inseparable unit without the use of adhesives, yielding an extremely low friction (pressure) loss by filling in the corrugations of the weave, creating an ultra thin and smooth waterway. Fire hose made using adhesives of any type do not meet this specification. The lining shall be approved for use with potable water.

ADHESION
The adhesion shall be such that the rate of separation of a 1 ½" / 38mm strip of polyurethane, transversely cut, shall not be greater than 1/4" / 6mm per minute under a weight of 12 lbs / 5.5 kg.

FLOW AND FRICTION LOSS
The 1 ½" (38 mm) hose shall be capable of flowing 70 US GPM (264 LPM) with a maximum pressure loss of 10 PSIG (69 kPa) per 100' (30.5M).

SERVICE, TEST, BURST PRESSURES
Minimum service, test and burst pressures shall be as detailed in the specification table on the previous page.

KINK TEST
A full length will withstand a hydrostatic pressure of 600 psi / 4140 kPa while kinked.

WEIGHT
Each length of fire hose shall not weigh more than indicated in the specification table.

COUPLING SPECIFICATIONS
Couplings shall be in conformance with the current NFPA standard and made of extruded aluminum, hard coated a minimum of .002" thick. They shall be manufactured in North America and permanently labeled with country of origin.

The hose shall be available with threaded and quarter-turn threadless (QC) couplings. When quarter-turn threadless (QC) couplings are specified they shall have extended lugs to facilitate rapid connect and disconnect.

MANUFACTURE
Both hose and couplings must be manufactured in North America. Couplings must be USMCA compliant.

STANDARDS
The hose shall be ULC approved and can be labeled upon request in the sizes specified*

Fire hose manufactured to this specification shall meet or exceed all performance requirements of NFPA 1960 (1961), U.L.C S518-M90, and ULC 400°C Hot Block test.

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