



## FEATURES

- Lightweight All Polyester Double Jacket Polyurethane Lined Attack Hose
- Exclusive Pu Based Color Coating To Aid Abrasion Resistance and Color Leaching
- Reverse Twill Inside Jacket For Ultra-Smooth Liner Surface

# PAC-LITE

## DOUBLE JACKET PU LINED ATTACK HOSE

- Designed For all nozzle applications and specifically for higher pressure and Lightweight Carry-Up Applications
- Temperature Range: -65 F To 112 F
- 10 Year Manufacturer Warranty
- Lengths Available To 100'
- Diameters: 1", 1 1/2", 1 3/4", 2", 2 1/2", 3", 3 1/2", 4", 5"
- Lifetime Warranty Against Tube Delamination

Meets All the Requirements of NFPA 1961 (1960) Standard on Fire Hose

Meets and exceeds NSF 61 for potable water use

Meets and exceeds UL-19 and FM standards

Meets and exceeds MIL-H-24606b standards

Meets and exceeds A-A-52226A standards

## HOSE SIZE AND SPECIFICATIONS

INSIDE DIAMETER	BOWL SIZE	WEIGHT/FT. COUPLED	WORKING PRESSURE	TEST PRESSURE	BURST PRESSURE
INCHES	INCHES	POUNDS	PSI	PSI	PSI
1"	1 5/16"	.14 lbs	400 psi	800 psi	1200 psi
1 1/2"	1 15/16"	.24 lbs	400 psi	800 psi	1200 psi
1 3/4"	2 1/8"	.30 lbs	400 psi	800 psi	1200 psi
2"	2 13/32"	.35 lbs	400 psi	800 psi	1200 psi
2 1/2"	2 15/16"	.44 lbs	400 psi	800 psi	1200 psi
3"	3 1/2"	.56 lbs	400 psi	800 psi	1200 psi
3 1/2"	4 1/16"	.64 lbs	300 psi	600 psi	900 psi
4"	4 1/2"	.79 lbs	300 psi	600 psi	900 psi
5"	5 1/2"	.90 lbs	300 psi	600 psi	900 psi

## QUALITY

MaTex Pac-Lite supplied under the specification is a premium quality double-jacket municipal fire hose. All materials used in the fabrication of the hose shall be of the *best quality commercially available*. MaTex Pac-Lite is manufactured to meet NFPA 1961 (1960) standards.

## JACKETS

The jackets shall be evenly and firmly woven, free from unsightly defects, dirt, knots, lumps, irregularities or twist that might affect the serviceability of the finished product. Each jacket shall be seamless and shall have polyester filler yarns woven around the hose throughout its length, with the warp ends interwoven with the warp yarn covering the filler yarns. Warp ends of both the inner and outer jackets shall be developed, designed and processed for the fire hose jacket warp yarns. The use of nylon, polyamide, or rayon yarns used in the warp or filler direction is not allowed. Filler yarns of both the inner and outer jackets shall be high-tenacity filament polyester developed, designed, and processed for the fire hose jacket filler yarns. These filament polyester yarns shall be free from defects that are unsightly or may affect the serviceability of the finished hose. The polyester warp ends must completely cover and protect the filament polyester filler yarns. The inner jacket shall be of reverse twill weave, to allow for a smooth waterway. The jackets shall be constructed with a high pick count "anti-whipping" design exclusive to MaTex Hose.

## HYDROSTATIC TEST

Hydrostatic tests shall be conducted on hose equipped with the couplings to be delivered in accordance with NFPA 1961 (1960). Twist: The hose shall not twist more than 4-1/4 turns per 50 ft. for the 1½", 1¾", and 2" sizes, and not more than 1¾ turns per 50 ft. for the 2½" and 3" sizes under a pressure of 800 psi. Twist for 4" and 5" shall not exceed 1½" turns at 600 psi. No final twist in a direction to loosen the couplings shall be permitted.

## ADHESION

The adhesion shall be such that the rate of separation of a 1½" strip of lining, transversely cut, shall not be greater than 1" per minute under a weight of 18 lbs. No Exceptions. Thickness of liner and adhesive shall not exceed 0.025" for 1" through 2½" hose, and 0.030" for 3", 4" and 5" hose.

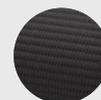
## LOW TEMPERATURE FLEXIBILITY

The hose shall be capable of performing in sub-zero conditions. A 3-foot section of hose shall be exposed to a temperature of -65°+ / - 2°F for a period of 24 hours. At the end of the exposure period, and while maintained at the -65°C exposure temperature, the hose shall be rapidly bent 180° double on itself, first one way and then the other. There shall be no cracking or breaking of the jacket or liner. Leakage shall be cause for rejection.

## WARRANTY

The fire hose furnished under the terms of this proposal has a potential service life of ten years, barring mistreatment or accidental damage that would render the hose unfit for service. MaTex warrants the hose to be free from defects in materials and workmanship for a period of ten years. This warranty shall provide for the repair or replacement of hose and couplings proven to have failed due to faulty material or workmanship.

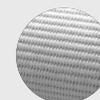
## COLORS



BLACK



BLUE



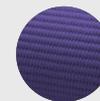
CLEAR



GREEN



ORANGE



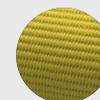
PURPLE



RED



TAN



YELLOW

## IMPREGNATION

The color impregnation is applied to the outer jacket by a mechanical process which increases abrasion resistance by 3 times over standard impregnation. It greatly increases heat and flame resistance, almost eliminates water pickup and adds superb resistance to petrochemicals and displays extreme resistance to bacterial and mildew growth.

## WARP

The hose shall not warp more than 20" from a straight line drawn from center to center of the fittings at the ends of the hose, and the hose shall not rise from the table.

## KINK TEST

A full length shall withstand, while kinked, without failure, a hydrostatic pressure of 400 psi.

## EXPANSION

The expansion in circumference of the hose between 10 and 800 psi shall not exceed 8%.

## ELONGATION

The elongation between 10 and 800 psi shall not exceed 8% for the 1½", 1¾", 2" and 2½" sizes, and shall not exceed 10% for the 3", 4" and 5" size.