

## DIAMETERS

- 1.5in/38mm

# MTI-500™

Designed as a double jacket, "all purpose" industrial hose

- » Tough and ready for action and light in weight
- » Strong, compact and practical, and will fit on most hose storage devices
- » Unique Mertex® lining yields an extremely low friction loss, for maximum flow and superior adhesion for long life
- » Available with the Identify® recessed area for color coding, bar coding and/or identification markings
- » Premium all synthetic double jacket
- » Resistant to most chemicals, petrol products, ozone and U.V. exposure, hydrolysis, and rot and mildew
- » Remains flexible to -65° F (-55° C)
- » Meets or exceeds all performance requirements of NFPA 1960 (1961), Underwriters Laboratories and Factory Mutual

Hose Spec.	Trade Size		Bowl Size		Weight Un-coiled 50' (15.2m)		Coil Diameter 50' (15.2m)		Service Pressure		Proof Pressure		Burst Pressure	
	In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
546	1.50	38	1 3/4	44	12.6	5.7	16.0	40.6	250	1 725	500	3 450	1000	6 895



MERCEDES TEXTILES LIMITED

5838 Cypihot  
Saint Laurent, QC  
Canada, H4S 1Y5

PHONE 514.335.4337  
PHONE 877.937.9660  
FAX 514.335.9633

mercedestextiles.com  
sales@mercedestextiles.com



# HOW TO SPECIFY

## MTI-500™

**THE HOSE SHALL BE DOUBLE JACKET WITH A SERVICE TEST PRESSURE OF 250 PSI / 1725 KPA.**

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### JACKETS

Both inner and outer jackets shall be made with high tenacity filament polyester yarn in both the warp and weft directions, to provide maximum strength and very snag resistant.

The outer jacket shall have a minimum of 10.8 filament polyester weft yarn picks per inch (425 per Meter)

### LINING

Both the inner and exterior jackets shall be lined using polyurethane that 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 1/2" / 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.

### COLD TEMPERATURE FLEXIBILITY

The hose must remain flexible to -65°F (-55°C).

### 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. The male coupling and female swivel nut must both have a recessed area to facilitate color and bar coding and/or identification markings.

They shall be manufactured in North America and permanently labeled with country of origin. They shall be expansion ring type.

### STANDARDS

The hose must meet or exceed all performance requirements of NFPA 1960 (1961), Underwriters Laboratories and Factory Mutual.

The hose must also be tested in accordance with the procedures specified in "2020 UL 19 radiant heat test".

### MANUFACTURE

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