DIAMETERS

- 1.50in/38mm
- 1.75in/45 mm
- 2.00in/51mm
- 2.50in/64 mm
- 3.00in/76mm

MD-800™

Designed for normal day to day wear and tear

- clear
- tan
- black
- orange
- red
- blue
- green
- yellow
- purple

- » Tough and ready for action but light in weight
- » Unique Mertex® lining
- » Available with the Identify® recessed area for color coding, bar coding and/or identification markings
- » Available with Permatek HP™ treatment against abrasion, moisture pick up and mildew
- » Resistant to most chemicals, petrol products, ozone and U.V. exposure, hydrolysis, rot and mildew
- » Remains flexible to -65° F (-55° C)

Hose Spec.	Trade Size		Bowl Size		Weight Un-coupled 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
637	1.50	38	1 13/16	46	10.8	4.9	15.0	38.1	400	2 755	800	5 515	1 200	8 275
638	1.75	44	2	51	14.0	6.4	15.0	38.1	400	2 755	800	5 515	1 200	8 275
639	2.00	51	2 5/16	59	16.0	7.3	15.5	39.4	400	2 755	800	5 515	1 200	8 275
640	2.50	64	2 7/8	73	19.0	8.6	16.0	40.6	400	2 755	800	5 515	1 200	8 275
641	3.00	76	3 5/16	84	25.5	11.6	18.0	45.7	400	2 755	800	5 515	1 200	8 275

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HOW TO SPECIFY MD-800™

THE HOSE SHALL BE DOUBLE JACKET WITH A SERVICE TEST PRESSURE OF 400 PSI / 2755 KPA.

JACKETS

The inner jacket shall be made with high tenacity filament polyester yarn in both the warp and weft directions, to provide maximum strength.

The outer jacket shall be made with virgin spun polyester warp yarn and a filament polyester weft yarn. The outer jacket shall have a minimum of 10 filament polyester weft yarn picks per inch (394 per Meter) and when requested shall be impregnated in one of the standard NFPA colors with high performance polymeric dispersion.

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.

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.

MANUFACTURE

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