

COLORS:



ARMORED REEL

Armored Reel is a one-inch, polyester jacketed, lightweight semi-rigid hose, intended to replace the heavy rubber hose traditionally used as a booster line. Like booster line, Armored Reel can be charged while on the reel. It meets or exceeds *NFPA 1961 Fire Hose Standard, 2020 edition*.

Jacket Construction – The hose is single jacket, constructed with 100% continuous, virgin high tenacity polyester that is circular woven. The outer jacket is thoroughly impregnated with a polymer compound to seal the jacket and provide superior resistance to chemicals, abrasion, oil and ultra-violet light. Compound is heat set at 250° F.

Lining – The synthetic lining is extruded polyurethane, combined with a helical interior reinforcement. The lining is compounded to resist deterioration from ozone. No reclaimed material is used. The finished form shall be free of pits or other imperfections, resulting in a smooth lining that reduces friction loss.

Couplings – Expansion-type couplings in hardcoat anodized aluminum are available. Field detachable couplings are available by special order. All couplings meet NFPA 1963, *Standard for Fire Hose Connections, 2009 edition*.

Hydrostatic Tests –

Pressure (p.s.i.)	Proof Test	Burst Pressure
300	600	900

All tests performed in compliance with *NFPA 1961 Fire Hose Standard, 2020 edition*.

Abrasion Resistance – Outer jacket must withstand a minimum of 15,000 cycles on the Taber Abraser with no abrasion through the filler yarn as defined in FM Class Number 2111, *Factory Mutual Approval Standard for Fire Hose*.

Cold Resistance – Hose shall have the capability of use down to -40° F. There shall be no apparent damage to jacket or lining when subjected to the cold bend test.

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ATI reserves the right to modify any specification without prior notice to meet or exceed changing standards. Special diameters or construction characteristics can be produced upon special request. Contact your local dealer or ATI at: sales@atifireproducts.com

Heat Resistance – The ability of the hose to resist heat shall be verified using the test procedures defined in UL 19, *Lined Fire Hose and Hose Assemblies*, Heat-Resistance Test; FM Class Number 2111, *Factory Mutual Approval Standard for Fire Hose*, Heat Resistance.

Ozone Resistance – Hose liner shall show no signs of cracking under 7 power magnification when tested in accordance with ASTM D1149-86, *Standard Test Methods for Rubber Deterioration-Cracking in an Ozone Controlled Environment* (samples prepared in accordance with ASTM D518-86, *Standard Test Method for Rubber Deterioration-Surface Cracking*, procedure C). Specimen shall be elongated at 15% for 120 hours of exposure at 100 pphm ozone at a temperature of 122 ° F.

Marking – Each length shall be stenciled in letters at least one inch high with the manufacturer’s identification, country of origin, month and year of manufacture

Weight and Coil Size –

Length	Weight (pounds)	Bend Radius (inches)	Consumed Space (cubic feet)
100'	13	6	1.3

Colors – Red, Yellow

Lengths – 50', 100', 150', 200'

Warranty – ATI warranties both the hose and couplings to be free from defects in material and workmanship for a period of 1 year. Upon evaluation, hose found to be defective will be repaired or replaced by ATI at no charge to the fire department.

