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 250º 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** –

<table>
<thead>
<tr>
<th>Pressure (p.s.i.)</th>
<th>Proof Test</th>
<th>Burst Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>600</td>
<td>900</td>
</tr>
</tbody>
</table>


**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 º F. There shall be no apparent damage to jacket or lining when subjected to the cold bend test.
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 –

<table>
<thead>
<tr>
<th>Length</th>
<th>Weight (pounds)</th>
<th>Bend Radius (inches)</th>
<th>Consumed Space (cubic feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>100'</td>
<td>13</td>
<td>6</td>
<td>1.3</td>
</tr>
</tbody>
</table>

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.