SJP THERMOPLASTIC LINED SINGLE JACKET FORESTRY

Lightweight, Single Jacket Forestry Hose

AVAILABLE IN SIZES:

1"  1½"

• USDA first article tested and approved
• 5100-187c compliant
• Ring spun polyester to aid abrasion resistance
• Designed for rigorous forestry applications
• Super lightweight construction
• Threaded couplings

5100-187 COLORS:

Clear -1  Yellow -2

PERFORMANCE:

<table>
<thead>
<tr>
<th>Size</th>
<th>Part No.</th>
<th>Service Test</th>
<th>Proof Test</th>
<th>Burst Test</th>
<th>Bowl Size</th>
<th>Weight/wt. Uncoupled</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot;</td>
<td>SJPK10101-</td>
<td>300 psi</td>
<td>600 psi</td>
<td>900 psi</td>
<td>1 1/8&quot;</td>
<td>.07 lbs</td>
</tr>
<tr>
<td>1 1/2&quot;</td>
<td>SJPK15151-</td>
<td>300 psi</td>
<td>600 psi</td>
<td>900 psi</td>
<td>1 1/2&quot;</td>
<td>.13 lbs</td>
</tr>
</tbody>
</table>
**Scope:** The fire hose assembly supplied under this specification shall be constructed with superior quality materials. NFPA 1961 and forestry spec 5100-187 standards shall be observed in production of the assembly, in order to ensure its quality and durability. Hose furnished under these specifications will have a potential service life warranty of five years barring mistreatment that would render it unfit for service. Upon delivery, the hose shall be free from defects in workmanship and materials.

**Jacket Construction:** The jackets will be woven evenly and be free of defects, including knots, lumps, or unsightly disfigurements that could jeopardize the integrity of the hose assembly. The warp yarn shall consist of ring spun polyester yarn. The use of lament or entangled yarn is expressly forbidden due to the lack of inherent abrasion resistance. The filler yarns shall be constructed of high strength, low elongation, filament polyester to reduce weight and increase flexibility. The jacket construction shall be a 1-2 woven twill pattern with the 2 over-crossing on the exterior of the jacket.

**Abrasion Impregnation:** Hose assemblies are available with polymer impregnation that provide additional abrasion resistance. Standard color: yellow. Color shall be pure and even in each hose. Impregnated hose shall meet the requirements of USDA 5100-187 for abrasion resistance.

**Lining:** The lining shall be a single-ply extruded tube of synthetic polyurethane to resist zone. The polyurethane tube shall adhere to the jacket to prevent delamination. The finished product will meet and exceed all potable water Mil-H-24606B standards for the manufacturing of lightweight fire hose. The use of the polyurethane lined fire hose is designed to increase packing ability and applications where lightweight fire hose is desired. SJP Thermoplastic Lined Single Jacket Forestry hose may be manufactured with a thin-wall high tensile 1800 PSI EPDM rubber liner. Rubber lined products are an accepted alternative to polyurethane lined hose in accordance with 5100-187c Type 2 specifications.

**Performance:** The minimum burst test pressure, when tested in accordance to NFPA 1961, on SJP Thermoplastic Lined Single Jacket Forestry hose diameters shall be 900 PSI/62 Bar. Service test pressures stenciled on the hose shall be in accordance with current minimum requirements of NFPA 1962.