

FIREQUIP™
SPECIFICATION SHEET
WILDLAND ULTRA FORESTRY



FIREQUIP WILDLAND ULTRA FORESTRY HOSE
YELLOW SINGLE JACKET TPU LINED
SPECIFICATIONS

Scope

This single jacket 600lb. proof test is designed for use with portable gasoline/diesel pumps, heavy duty Fire Engine Tankers and Pumpers. Light in weight, this hose is made to be transported by air, man-packed or by animal for long distances over steep and rough forested areas. All components of the hose system shall be fabricated from mildew resistant material permitting storage over extended periods of time in damp areas without concern for degradation or deterioration. All components shall be made in the USA.

Quality

The fire hose to be supplied under this specification is a premium quality, single jacket forestry fire hose. All materials used in the fabrication of the hose shall be of the best quality commercially available.

Jacket Construction

The 100% synthetic warp yarn shall be virgin fiber domestically produced to be free from defects, dirt, knots, lumps and irregularities of weave as is consistent with quality manufacturing. The filler yarn shall be all polyester filaments, high strength material suitable in all respects for the manufacture of high quality fire hose. The jacket shall be constructed using a twill weave design to reduce friction loss and increase gallons per minute (GPM) flow due to the water way being smooth. Traditional square weave design is Not Acceptable and will be cause for the hose to be rejected.

Lining Construction

The thermoplastic lining shall be a single-ply extruded tube, compounded to reduce deterioration by ozone. The finished form shall be free of pits or other imperfections and shall have a smooth finish. No reclaimed material shall be used. The thickness shall not be less than .016" nor greater than .020" for the 1" hose and not less than .018" nor greater than .022" for the 1-½" hose. Tensile Strength not less than 1200 psi Elongation not less than 400%. Adhesion shall

be such that a 12 lb. weight shall not move a 1-½” strip cut transversely at greater than 1” per minute.

Hydrostatic Tests

Each length of hose shall be capable of a hydrostatic pressure of 600 psi for fifteen (15) seconds, without leaking in the hose or at the couplings or breaking any yarn in the jacket. Burst of a 3 ft. specimen selected from every 5000’ shall withstand without failure a pressure of 900 psi, or three times the Service Test Pressure of 300 psi while lying straight or curved to a radius of 27”. Kink pressure shall be such that a random length of every lot of 2500’ shall withstand without failure a hydrostatic pressure of 450 psi, or 1-½ times the Service Test Pressure of 300 psi while in a kink condition.

Hose Length and Diameter

The hose shall be available in nominal 50 and 100 foot lengths. The hose shall have an inside diameter of not less than the trade size of the hose.

Couplings

Hose is available with internal expansion ring anodized aluminum couplings with NH, NPSH, or Quarter Turn couplings, meeting U.S. Forestry specifications.

Warranty

The manufacturer warrants the hose to be free from defects in materials and workmanship for a period of one year. This warranty shall provide for the repair or replacement of hose and couplings proven to have failed due to faulty material or workmanship.

FIREQUIP WILDLAND ULTRA FORESTRY HOST PERFORMANCE AND WEIGHT CHART

Hose Size	Coupling Bowl Size (inches)	Proof Test Pressure (psi)	Service Test Pressure (psi)	Burst Test Pressure (psi)	Weight per 50ft Section (uncoupled)
1”	1-3/16”	600	300	900	4 lbs.
1½”	1 ¾”	600	300	900	7 lbs.

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