



"The Hose Company"

Key Lite - Product Specification

KEY LITE

all polyester double
jacket attack hose

- 100% synthetic all polyester double jacket
- 100% mildew resistant
- Polyurethane liner
- Liner NSF-61 compliance
- Attack hose designed for Hi-Rise applications
- Special reverse twill construction to reduce friction loss by 50%
- 5 year warranty against delamination of liner
- Diameters: 1", 1 1/2", 1 3/4", 2", 2 1/2", 3", 4"



NFPA colors and special stripe available



clear



red



yellow



blue



green



orange



black



tan

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Scope: Hose manufactured to this specification shall be of superior quality and workmanship. The hose shall withstand the rough usage of front line fire fighting. Hose specified, shall meet NFPA 1961 standards. For North American customers, due to lack of verification of adherence to NFPA 1961 standards, import hose shall not be accepted. Hose furnished under these specifications will have a potential service life and warranty of 5 years, barring mistreatment that would render it unfit for service. Upon delivery the hose shall be free from defects and materials. Any defective hose will be replaced at no charge.

Jacket Construction: Double jacket hose manufactured to this specification shall be tightly woven with filament polyester yarn in the filler and ring spun polyester yarn in the warp of both the inside and outside jackets. Inside jackets manufactured from 100% filament polyester would not meet Key-Lite minimum standards. The hose shall be resistant to most chemicals and petrol products, and resist deterioration due to exposure to UV-rays and ozone. It shall not be affected by rot or mildew. The inside and outside jackets shall be manufactured with a minimum pick count of 9.5 picks per inch for increased strength and abrasion resistance. The inside jacket shall be manufactured using a reverse twill process to reduce friction loss. The inside jacket shall be manufactured on a circular loom in a clockwise direction and the outside jacket in a counter-clockwise direction. The hose must be of sufficient body and weight to meet the demands of heavy-duty fire fighting usage.

Abrasion Impregnation: Hose assemblies shall be available with the special "Key-Lok" polyurethane based polymer impregnation for added abrasion resistance and ease in identification. Impregnated hose shall meet the requirements of MIL-H-24606B for abrasion resistance. NFPA colors may be specified by the end-user. A double dip process for twice the abrasion resistance is available upon request.

Lining: The lining shall be a single-ply extruded tube of synthetic polyurethane to resist ozone. The polyurethane tube shall adhere to the jacket to prevent delamination. The finished product will meet and exceed all potable water MIL-H-24606B & NSF-61 standards for potable water use hose. The use of the polyurethane lined fire hose is designed to increase packing ability and reduce weight for high rise fire fighting applications where light weight fire hose is desired.

Performance: The minimum burst test pressure, when tested in accordance to NFPA 1961, on all Key-Lite diameters up to 3" shall be 1200 PSI/82 Bar. Minimum burst test requirements for the 4" diameter shall be 900 PSI/62 Bar. Service test pressures stenciled on the hose shall be in accordance with current minimum requirements of NFPA 1962. A valid USA/ULC Underwriters 800 PSI/55 Bar listing shall be in force. Lengths available up to 100 feet.

Standards: Fire hose manufactured to this specification shall meet and exceed all performance requirements of NFPA 1961, Underwriter's Laboratories and MIL-H-24606 standards.

Couplings: Key-Lite shall be coupled with 6061-T6 extruded aluminum threaded couplings or forged storz. Special threads or other custom features available upon request.

Key Hose reserves the right to modify any specification without prior notice to meet or exceed changing standards. Customers are advised special diameters or construction characteristics may be produced by special request. For more information please contact a Key Hose authorized distributor.

***UL Listed**

Performance Chart

Size	Part No.	Service Test	Proof Test	Burst Test	Bowl Size	Weight/ft. Uncoupled
1"	DP10-800-PU	400 psi	800 psi	1200 psi	1 3/8"	.14 lbs.
1 1/2"	DP15-800-PU	400 psi	800 psi	1200 psi	1 15/16"	.28 lbs.
1 3/4"	DP17-800-PU	400 psi	800 psi	1200 psi	2 1/8"	.30 lbs.
2"	DP20-800-PU	400 psi	800 psi	1200 psi	2 2/5"	.31 lbs.
2 1/2"	DP25-800-PU	400 psi	800 psi	1200 psi	3"	.46 lbs.
3"	DP30-800-PU	400 psi	800 psi	1200 psi	3 1/2"	.62 lbs.
4"	DP40-600-PU	300 psi	600 psi	900 psi	4 1/2"	.76 lbs.