

RUBBER LINED FIRE HOSE

PRODESEG S.A. DISTRIBUIDOR AUTORIZADO
www.prodeseg.com.co

c UL us

FM APPROVED

ECO-10

LIGHTWEIGHT DOUBLE JACKET RUBBER LINED FIRE HOSE

Diameter	Part No.	Service Test	Proof Test	Burst Test	Bowl Size	Weight Uncoupled
1"	DP10-800	400 psi	800 psi	1200 psi	1 3/8"	0.14 lbs/ft
¨1 1/2"	DP15-800-ECO	400 psi	800 psi	1200 psi	1 15/16"	0.23 lbs/ft
*1 3/4"	DP17-800-ECO	400 psi	800 psi	1200 psi	2 1/16"	0.28 lbs/ft
2"	DP20-800	400 psi	800 psi	1200 psi	2 2/5"	0.31 lbs/ft
¨2 1/2"	DP25-800-ECO	400 psi	800 psi	1200 psi	3"	0.42 lbs/ft
*3"	DP30-800-ECO	400 psi	800 psi	1200 psi	3 3/8"	0.56 lbs/ft
4"	DP40-600	300 psi	600 psi	900 psi	4 1/2"	0.82 lbs/ft
5"	DP50-600	300 psi	600 psi	900 psi	5 1/2"	0.93 lbs/ft

*UL Listed to 400 psi | ¨UL Listed to 400 psi and FM Approved

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. Hose furnished under these specifications will have a potential service life and warranty of 10 years with a lifetime warranty against liner delamination, barring mistreatment that would render it unfit for service. Upon delivery, the hose shall be free from defects in materials and workmanship. Lengths available up to 100'.

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 Eco-10 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. Eco-10 double jacket hose may be woven with a double tracer stripe for ease in identification and twist. The inside and outside jackets shall be manufactured with a minimum pick count of 11 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 fire fighting usage.

Abrasion

Hose assemblies shall be available with the special "Key-Lok" polyurethane based polymer impregnation for added abrasion resistance and ease in identification purposes. Impregnated hose shall meet the requirements of MIL-H-24606 latest edition 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 rubber lining shall be a single-ply extruded tube of synthetic high tensile EPDM compounded to resist ozone. The finished form shall be free of pits or other imperfections and have a smooth finish for better flow characteristics. Polyurethane tubes, SBR and/or PVC tubes that sacrifice durability of the hose life for the sake of weight are not acceptable. The tube thickness shall be a minimum of .020". The adhesion between the tube and jacket shall meet a minimum requirement of 12 pounds on a 1½" strip when tested in accordance to UL-19 standards. Minimum tensile strength requirements for the finished tube requirement shall be 1800 psi. A valid UL/ULC Underwriters inspection procedure shall be in force.

Couplings

Eco-10 shall be coupled with 6061-T6 extruded aluminum threaded couplings or forged Storz. Brass, special threads or other custom features available upon request.

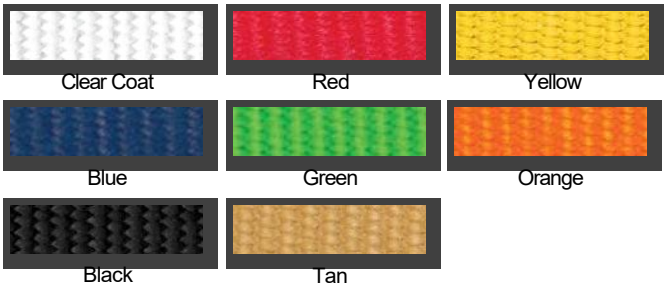
Performance

The minimum burst test pressure, when tested in accordance to NFPA 1961, on all Eco-10 diameters up to 3" shall be 1200 psi / 82 bar. Minimum burst test requirements for 4" and 5" 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. *A valid UL/ULC Underwriters 800 psi / 55 bar listing shall be in force.

Standards

Fire hose manufactured to this specification shall meet all performance requirements of NFPA 1961 and Underwriters Laboratories standards.

Colors



NFPA colors available

KEY HOSE

Key Hose reserves the right to modify any specification without prior notice to meet or exceed changing standards. For more information please contact a Key Hose authorized distributor. 07/19