

# ECCO-5

RUBBER LINED INDUSTRIAL HOSE



MADE IN  
USA



THIS IS **KEY**

Lightweight, single jacket construction, combining 100% polyester ring spun staple and filament fibers over a thin wall, high tensile, EPDM rubber liner. The outer jacket is mildew resistant and available with double dip "Key-Lok" polyurethane based polymer impregnation for unmatched abrasion and moisture resistance. A proprietary reverse twill weave construction reduces friction loss, while high tensile yarn combinations allow hose to be 25% lighter. Hose features a 5-year warranty, is FM Approved, tested to 600 psi and UL Listed\*.



SINGLE JACKET INDUSTRIAL HOSE

# SINGLE JACKET

# INDUSTRIAL HOSE



## ECO-5

### RUBBER LINED INDUSTRIAL HOSE

Diameter	Part No.	Service Test	Proof Test	Burst Test	Bowl Size	Weight Uncoupled
1"	SP10-600	300 psi	600 psi	900 psi	1 <sup>3</sup> / <sub>16</sub> "	0.10 lbs/ft
**1 <sup>1</sup> / <sub>2</sub> "	SP15-600	300 psi	600 psi	900 psi	1 <sup>3</sup> / <sub>4</sub> "	0.15 lbs/ft
*2"	SP20-600	300 psi	600 psi	900 psi	2 <sup>1</sup> / <sub>4</sub> "	0.17 lbs/ft
**2 <sup>1</sup> / <sub>2</sub> "	SP25-600	300 psi	600 psi	900 psi	2 <sup>3</sup> / <sub>4</sub> "	0.28 lbs/ft

\*UL Listed to 250 psi | \*\*UL Listed to 250 psi and FM Approved

#### Scope

Hose manufactured to this specification shall be of superior quality and workmanship. Hose specified shall meet NFPA 1961 standards. 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 in materials and workmanship.

#### Jacket Construction

The jacket 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 filament 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

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 .023". The adhesion between the tube and jacket shall meet a minimum requirement of 12 pounds on a 1<sup>1</sup>/<sub>2</sub>" 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-5 shall be coupled with 6061-T6 aluminum threaded couplings or Storz. Brass, special threads or other custom features available upon request.

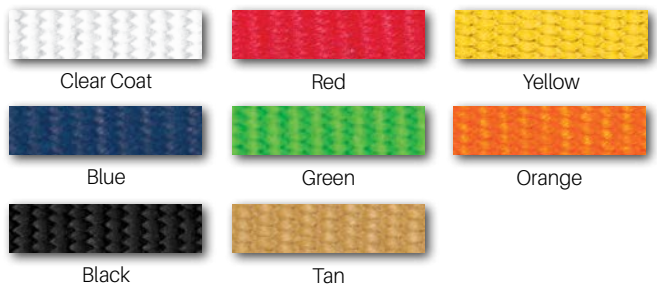
#### Performance

The service test pressure of hose made to this specification shall be 300 psi. The proof test pressure shall be 600 psi and the burst test pressure of a 3' sample shall be at least 900 psi. At 600 psi, a 50' hose shall not elongate more than 48". The twist of the hose shall not exceed 8 right hand turns per 50' nor shall it rise up from the test surface. The hose must resist kinking and be flexible at temperatures as low as 65 °F.

#### Standards

Fire hose manufactured to this specification shall meet all performance requirements of NFPA 1961 and Underwriters Laboratories standards. Hose shall be listed as an approved UL/ULC product.

#### Colors



NFPA colors available



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. 12/20