

# **BLINDEX**

ON 1.5" AND 2.5

When the cover of a fire hose fails, the textile reinforcement and indeed the hose itself is likely to become no longer serviceable. A durable fire hose requires a tough cover produced and locked together with the inner lining and the fabric reinforcement.

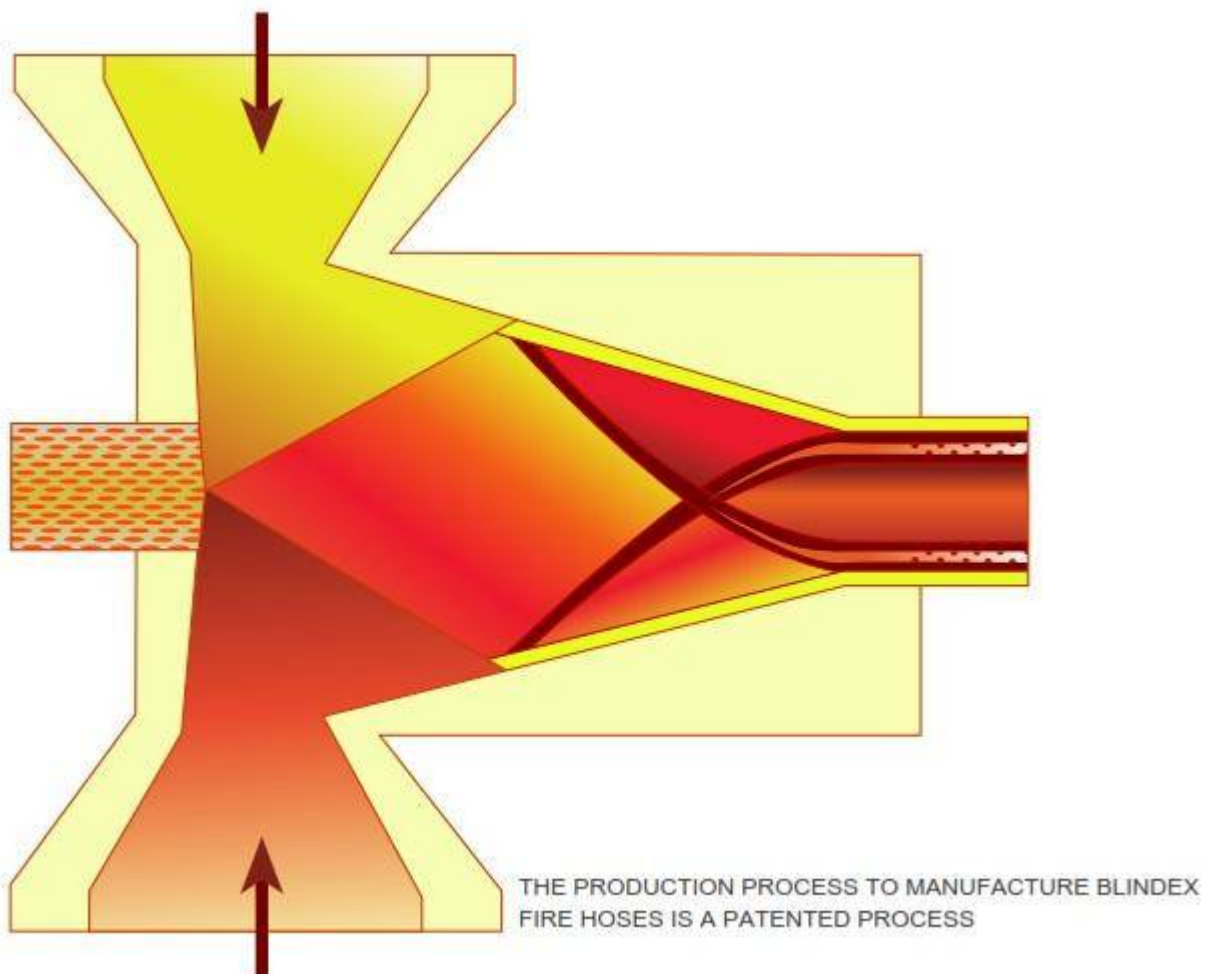
All those conditions are met by BLINDEX due to the blend of new materials employed and the revolutionary manufacturing technique which allows the “four layer in one operation” process.

BLINDEX is formed in one operation and is then cured in a single operation without the use of glues or adhesive and therefore forms a tough single body, highly flexible due to the special inner compound and with no possibility of delamination. Apart from providing an outstanding protection the RLH shield is made in a bright yellow color especially studied for night, fog and fume visibility and clear identification of fire-fighting points.

BLINDEX is exceptional for abrasion, heat, flame, weather and ozone, oil and chemicals as well as in hydraulic characteristics such as test and burst pressures. Furthermore, BLINDEX needs no maintenance and can be easily repaired.

Blindex is produced with a revolutionary process which has been developed with the experience of two decades of research and production of rubber covered fire hoses.

This technology allows the injection of the inner rubber lining and a double outer cover made of two different compounded rubbers all in a single operation process.



## **BLINDEX + RLH = SAFETY**

RLH is the registered Trade Mark for chlorosulfonated polyethylene synthetic rubber.

**The outstanding range of properties of RLH may be summarized as follows:**

- Superb ozone and weather resistance.
- Resistance to a wide range of oxidizing agents.
- Unaffected by UV rays.
- Excellent thermal properties, particularly at the upper end of the temperature scale.
- Very low burning characteristics. Meets the US Bureau of Mines flame standard and also the Underwriter's Laboratory (UL) vertical flame test.
- Excellent behavior when mechanically abused.
- Excellent resistance to abrasion, wear and tear.
- Very good shock resistance.
- Unaffected by humidity, mildew or micro-organisms.
- Extremely good resistance to a wide range of oxidizing and aggressive chemicals.

A great number of RLH applications for special products have been discovered in the past years. RLH is particularly recommended in such areas where high level of protection, safety and long undisrupted service is expected.

**Among others BLINDEX is specified in the following applications:**

- Hoses for chemical products
- Special coatings for diaphragms, gloves, chemical tanks, inflated radomes (see picture of 64-metre diameter radom originally installed in April 1962 for protection of satellite tracking radar).
- Electric cables in mines and nuclear power plants.

**RLH IS STANDARD FOR NUCLEAR CABLE PROTECTION.**

### **BLINDEX SPECIFICATIONS**

Nominal D*		Working P.**		Weight		Thickness		Bend Radius at WP	
inch	mm	psi	K Pa	lb/ft	gr/m.	inch	mm.	ft.	mm.
1	25	450	3100	0.147	220	0.087	2.2	2.90	900
1 1/2	38	300	2100	0.240	360	0.091	2.3	3.60	1100
2 1/2	65	250	1750	0.434	650	0.098	2.5	4.50	1375

\* **Dimensional tolerance** = Nominal Diameter + 0.080" minimum.

\*\* Minimum safety factor of 3 to 1 over working pressure for fluids.



1.5" AND 2.5" BLINDEX ARE FM APPROVED