BLINDEX® ™

4-Layer Extruded Rubber Lay Flat Fire Hose

tipsa Kuriyama Group

Unique 4-Layer Rubber Hose Specially Designed for Firefighting	1 1/2" and 2 1/2" are FM Approved together with NH fittings
Super-Tough Extruded Outer Layer made of Synthetic Rubber Compound	Highly Resistant to Flame, Heat, Abrasion, and Chemicals

Color:

Yellow external layer for high visibilty/ red inner layer. Other colors are available upon request.

Applications:

Designed and recommended for firefighting, especially in municipal and industrial fire departments, petrochemical and nuclear plants, navies and other industrial services. Ideal for situations where a high level of protection, safety and long undisrupted service is required.

Construction:

Made from circularly woven 100% high tenacity synthetic yarn, completely protected and locked-in by a tough, highly resistant synthetic nitrile rubber & PVC blend, extruded through the weave and forming a single homogenous construction without the use of glues or adhesives. The BLINDEX hose is produced with a revolutionary process 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 one single operation process.

Lining Properties:

a. Ultimate Tensile Strength of the lining: Minimum guaranteed value of 1750 psi (12,000 kpa).

b. Ultimate Elongation: 450% minimum.

Abrasion Resistance:

In very extreme conditions where abrasion is the most serious concern BLINDEX will extend hose life. Excellent abrasion resistance when tested according to FM2111 and UL19 abrasion tests.

Couplings:

As requested by purchaser: NH-Rocker Lug, Storz, Guillemin, Barcelona, etc.

Ozone Resistance:

No visible signs of cracking appear on the lining or cover when tested in accordance with ASTM D518 Procedure B, 100pphm/104ºF (40ºC).

Chemical Resistance:

Exposure to seawater and contamination by most chemical substances, hydrocarbons, oils and greases has no effect on the short or long term performance of the hose. A chemical resistance chart is available and TIPSA will supply specific chemical resistance data when requested by the purchaser for unique applications.

Heat Resistance:

The hose is capable of withstanding a surface temperature of 1112º F (600ºC) for a minimum of two minutes without rupture or damage to the synthetic reinforcement when subjected to static pressure of 100 psi (700 kPa).

Lengths:

Standard 50ft (15m), 66ft (20m), 100ft (30m), 200ft (60m). Special lengths such as 330ft (100m) and 660ft (200m) are also available upon request.

Service Temperature Range:

-4ºF (-20ºC) to 176ºF (80ºC). Special versions for higher and lower temperatures available upon request.

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4-Layer Extruded Rubber Lay Flat Fire Hose

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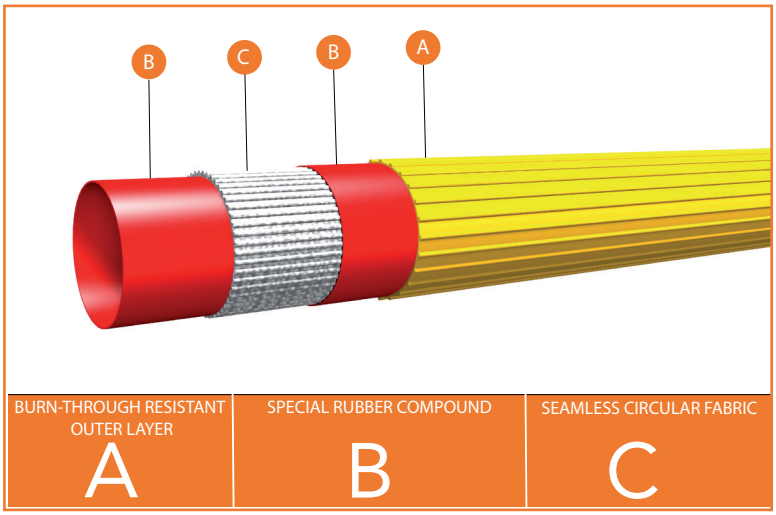
Physical Properties:

Part Number	Nominal Inner Diameter		Wall Thickness		Service Test Pressure		Proof Pressure		Burst Pressure		Nominal Weight	
	inch	mm	inch	mm	psi	bar	psi	bar	psi	bar	lb/ft	kg/m
F552608A	1	25	0.08	2.1	580	40	1,160	80	1,740	120	0.15	0.23
F551092A	1 ½	38	0.08	2.1	300	21	600	42	900	63	0.24	0.35
F552619A	1 ¾	45	0.09	2.1	300	21	600	42	900	63	0.27	0.40
F551117A	2	52	0.09	2.2	250	18	500	35	750	52	0.32	0.48
F551140A	2 ½	65	0.09	2.4	250	18	500	35	750	52	0.46	0.68
F552620A	2 ¾	70	0.09	2.4	250	18	500	35	750	52	0.46	0.68
F551161A	3	75	0.09	2.4	200	14	400	28	600	42	0.49	0.73

1 1/2" and 2 1/2" BLINDEX® ™ are FM approved for a 250 psi STP when coupled with FM approved NH fittings



BLINDEX® ™ is manufactured according to the UNE 23 091/2B Spanish Norm.

- Operational Test Pressure = 0,9 Service test Pressure according to NFPA 1961
- For other standards please ask your representative in regards to specifications
- The actual diameter of these hoses may differ slightly from the nominal diame ter specified in this chart to make sure that they can be properly assembled with the couplings. For diameter tolerance questions please contact your distributor or directly to TIPSA.

tipsa: reserves the right to modify any specification without prior notice to meet or exceed changing standards. Customers are advised that special diameters or construction characteristics can be produced upon special request. Contact your local dealer or TIPSA at: **tipsaex@tipsa.com**

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