



# ALPHA 5™



· Multi-purpose single jacket hose.

· Recommended for in-plant hose reels or hydrant house usage.

# ALPHA 5™

This untreated multi-purpose single jacket EPDM rubber lined hose is recommended for in-plant hose reels or hydrant house usage. Constructed of 100% spun polyester, ALPHA 5™ is rated for a service test of 250 PSI (1750 kPa). It is abrasion resistant, and resists damage from most chemicals. Meets or exceeds requirements of NFPA 1961 and can be UL labelled.

**Construction:** Circular woven, single jacket 100% spun polyester.  
**Tube:** Lightweight extruded E.P.D.M. rubber - Ozone and age resistant.  
**Standard Lengths:** 50' and 100' (15,2 and 30,5 m)

## How to specify ALPHA 5™

- The hose shall be of single jacket construction with 100% spun polyester yarn.
- There shall be a minimum of 9.0 filler yarns per inch in the jacket.
- The thickness of the lining shall be 0.022" (559 µm) minimum and it shall be constructed of lightweight extruded E.P.D.M. rubber.
- The hose service temperature range shall be -40°F to 175°F (-40°C to 79°C).
- FM abrasion test of 3,000 cycles minimum and Taber abrasion test of 1,000 cycles minimum.
- At 500 PSI (3500 kPa), its elongation shall not exceed 10% of the initial hose length, it shall not warp more than 20 inches (51 cm). The 1 1/2" (38mm) hose should not rise more than 7" (18 cm); and the 2 1/2" hose (64mm) should not rise more than 4" (102 mm) from the test table.
- The hose shall not twist more than 7 turns for the 1 1/2" (38mm) hose and no more than 3 1/2 turns for the 2 1/2" (64mm) hose per 50 ft. (15,2 m) while at 500 PSI (3500 kPa).
- Minimum proof test pressure of 500 PSI (3500 kPa).
- Minimum straight burst test pressure of 750 PSI (5200 kPa).
- The hose while curved to a radius of 27" (69 cm) shall not burst at less than 750 PSI (5200 kPa).
- Meets or exceeds NFPA 1961 and FM specifications.

## ALPHA 5™ PHYSICAL PROPERTIES

Hose size	Spec number	Coupling bowl size	Weight /100 ft (30,5 m) uncoupled	Coil dia. / 100 ft (30,5 m)	Minimum kink burst test pressure
1 1/2" (38 mm)	3715	1 3/4" (44,5 mm)	9.0 lbs (4,1 kg)	13 1/2" (34 cm)	400 PSI (2800 kPa)
2 1/2" (64 mm)	3725	2 13/16" (71,4 mm)	14.5 lbs (6,6kg)	14" (36 cm)	400 PSI (2800 kPa)



1-800-567-2703  
sales@niedner.com

www.niedner.com