DEPENDABLE PRODUCTS - QUALITY SERVICE - INNOVATIVE SOLUTIONS

NIEDNER

ULTRA 2000™

- Ultra durable outside jacket combined with a TPU lined inner jacket.
- Remains flexible in extremely cold temperatures
- Lightweight and compact attack hose
- Superior resistance to cuts, snags, punctures and abrasion.

ULTRA 2000™

A durable attack or high-rise backpack hose with a service test pressure rating of 400 PSI (2800 kPa), ULTRA 2000™ is for fire departments on the go. The 100% polyester double jacket fire hose is lined with TPU elastomer and built for ruggedness, while remaining lightweight and compact. ULTRA 2000™ has superior flow characteristics. The tight weave of the outer jacket resists snags, cuts, punctures and abrasion. ULTRA 2000™ is flexible to -60°F (-51°C). The ENCAP™ treatment increases durability, reduces water absorption up to 40%, enhances chemical resistance and adds color options.

Construction: Circular woven, double jacket 100% virgin spun polyester.
Tube: Lightweight extruded T.P.U. elastomer - Ozone andage resistant.
Standard Lengths: 50' and 100' (15,2 and 30,5 m)
Colors available: Clear (white), green, red, orange, blue, tan, purple and yellow.

How to specify ULTRA 2000™

- The hose shall be of double jacket construction with 100% virgin spun polyester yarn in both jackets.
- There shall be a minimum of 10.0 filler yarns per inch in both the inner and outer jackets.
- Outside jacket to be constructed with a minimum of 120% warp yarn coverage.
- The thickness of the lining shall be 0.015" (381 µm) minimum and it shall be constructed of extruded T.P.U. elastomer.
- The outside jacket shall be treated with ENCAP™ elastomer, which shall completely encapsulate the jacket fibers and not merely surface coat the jacket.
- The hose service temperature range shall be -60°F to 175°F (-51°C to 79°C).
- FM abrasion test of 30,000 cycles minimum and Taber abrasion test of 12,000 cycles minimum.
- At 800 PSIG (5600 kPa), its elongation shall not exceed 10% of the initial hose length, it shall not warp more than 20 inches (51 cm) and should not rise from the test table.
- The hose shall not twist more than 2 1/2 turns per 50 ft (15,2 m) while at 800 PSI (5600 kPa).
- Minimum service test pressure of 400 PSI (2800 kPa).
- Minimum proof test pressure of 800 PSI (5600 kPa).
- Minimum straight burst test pressure of 1400 PSI (9800 kPa).
- The hose while curved to a radius of 27" (69 cm) shall not burst at less than 1300 PSI (9000 kPa).
- Meets or exceeds NFPA 1961 specification.

ULTRA 2000™ PHYSICAL PROPERTIES

Hose size	Spec number	Coupling bowl size	Weight / 50 ft (15,2 m) uncoupled	Coil dia. / 50 ft (15,2 m)	Minimum kink burst test pressure
1 1/2" (38 mm)	**4115**	1 15/16" (49,2 mm)	12.5 lbs (5,7 kg)	14.5" (37 cm)	800 PSI (5600 kPa)
1 3/4" (45 mm)	**4117**	2 1/16" (52,4 mm)	13.5 lbs (6,1 kg)	14.5" (37 cm)	800 PSI (5600 kPa)
2" (51 mm)	**4120**	2 5/16" (58,7 mm)	18.0 lbs (8,2 kg)	15.5" (39 cm)	800 PSI (5600 kPa)
2 1/2" (64 mm)	**4125**	3" (76,2 mm)	22.0 lbs (9,8 kg)	15.5" (39 cm)	800 PSI (5600 kPa)

Requires thin wall double jacket tail gaskets in couplings.

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