



TIDALWAVE 600™



- Incomparable large diameter hose (LDH) used for supply, relay and attack applications.
- 100% polyester double jacket with TPU liner.
- Lightweight, compact and flexible when compared to traditional rubber covered LDH.

- Meets or exceeds NFPA standards for supply, relay or attack hose.
- Does not develop a memory in storage
- Remains flexible in extremely cold temps

TIDALWAVE 600™

A unique lightweight 6" (152 mm) large diameter hose capable of significant water flow at higher pressures. TIDALWAVE 600™ is a 100% polyester double jacket, 300 PSI (2100 kPa) service test pressure rated attack, relay and supply hose. Lined with TPU elastomer for flexibility, light weight and compactness, TIDALWAVE 600™ occupies less space than conventional rubber covered LDH. The ENCAP™ treated outer jacket improves durability, reduces water absorption up to 40%, enhances chemical resistance, and adds color options.

Construction:	Circular woven, double jacket 100% virgin spun polyester.
Tube:	Extruded T.P.U. elastomer - Ozone and age 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 TIDALWAVE 600™

- The hose shall be of double jacket construction with 100% virgin spun polyester yarn in both jackets.
- There shall be a minimum of 14.0 filler yarns per inch in the inner jacket and a minimum of 12.5 filler yarns per inch in the outer jacket.
- The thickness of the lining shall be 0.020" (508 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 150°F (-51°C to 66°C).
- FM abrasion test of 50,000 cycles minimum and Taber abrasion test of 15000 cycles minimum.
- At 600 PSI (4200 kPa), its elongation shall not exceed 12% of the initial hose length, it shall not warp more than 12 inches (31 cm) and should not rise from the test table.
- The hose shall not twist more than 1 1/2 turn per 100 ft (30,5 m) while at 600 PSI (4200 kPa).
- Minimum service test pressure of 300 PSI (2100 kPa).
- Minimum proof test pressure of 600 PSI (4200 kPa).
- Minimum straight burst test pressure of 900 PSI (6300 kPa).
- The hose while curved to a radius of 27" (69 cm) shall not burst at less than 900 PSI (6300 kPa).
- Meets or exceeds NFPA 1961 specifications.

TIDALWAVE 600™ 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
6" (152 mm)	5060	Storz 6 1/4" (158,8 mm)	125 lbs (56,7 kg)	27" (69 cm)	300 PSI (2100 kPa)
		Aluminum 6 3/4" (171,45 mm)			

- Requires thin wall double jacket tail gaskets in couplings.
- If ordering locking storz couplings separately for above hose, specify that they are for Niedner TIDALWAVE 600™ hose



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