



## LDH-Double Jacket vs. Nitrile Rubber

### Advantages of Double Jacket LDH

#### 1) Less Weight

- Weight difference with (TPU lining)
  - 5" – 15-20 lbs. lighter
  - 4" – 4 lbs. lighter
- Causes less back injuries

#### 2) Maneuvers More Easily than Nitrile Rubber Hose

- Slides on ground easier when initially charged
- Nitrile rubber sticks to the ground
  - Tends to rise up and then abruptly advance

#### 3) More Durable

- Nitrile material has changed (all manufacturers)
  - Less butadiene rubber - More silica and clay fillers
  - Thinner rubber jacket
  - More silica and clay fillers

#### 4) Not as Susceptible to Punctures

- Slides easier over objects and rocks
- Pebbles do not stick and become lodged in jacket

#### 5) Resistant to Both UV Rays and Ozone

#### 6) Does Not "Pinch" Fingers When Moved

#### 7) TPU Linings are Water Potable – Drinking Water

- Meets National Sanitation Foundation (NSF) Standard 61 for drinking water

#### 8) Higher Service Pressure

- 300 psi compared to 200 psi with nitrile hose
  - Safer hose with water hammer conditions
  - Increase pressure when needed
    - i.e. hi-rise standpipes
- Considered attack line per NFPA definition (300 psi operating pressure)

#### 9) Does Not Develop Pinhole Leaks

- During manufacturing process nitrile rubber is pin pricked to allow gases to escape
- In the hose bed, hose is compressed inside of fold, and expanded on outside of fold
- Both of above contribute to the nitrile hose developing leaks

#### 10) Ultra-Shield™ Coating Available in all NFPA Colors

#### 11) Unloads / Flakes Much Easier Off Apparatus HoseBed

- Nitrile sticks to itself in hose bed

#### 12) Available with Polyester or Nylon Jackets with either EPDM Rubber or TPU Linings

#### 13) Maintains Integrity Much Better When Hot Embers are Blown Onto Hose

### Advantages of Nitrile (Rubber)

#### 1) Cleans Easier

#### 2) More Resistant to Some Acids/Chemicals



LDH-Double Jacket