

# Loc-Line® Materials and Properties Information

## Standard Hose and Fittings:

**Colors:** Blue, Orange, Black, White, Grey

**Material:** Acetal Copolymer

**Compatibility:**

**Yes:** Acetone, Alcohol, Ethyl, Greases, Oils, Commercial Dish Detergents, Gasoline, Lacquer Solvents, Sodium Hydroxide

**No:** Acids, Ammonium Hydroxide, Bases Strong, Hypochlorite Ion Solutions, Sodium Hypochlorite

Melting Point: 329° F

Maximum Operating Temperature: 170° F (*Repeated exposure over this temperature will cause fatigue*)

**NOTE: HPT Nozzles should never exceed 115° F**

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## Acid Resistant Hose and Fittings:

**Colors:** Yellow

**Material:** Polyester

**Compatibility:**

**Yes:** Acids under 150F, Alcohols, Aromatic Solvents, Gasoline, Grease, Hydrocarbons, Oils, Salt Solutions

**No:** Acetone, Chlorinated Solvents, Bases Strong, Ethyl Acetate, Water Hotter than 150F

Melting Point: 475°

Maximum Operating Temperature: 170° F (*Repeated exposure over this temperature will cause fatigue*)

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## HPT Nozzles

**Maximum Pressure:** 1,000PSI

**Maximum Temperature:** 115°F (*Repeated exposure to this temperature will cause fatigue*)

**Never attempt to adjust nozzle while under pressure!**

**Material:** Acetal Copolymer, Stainless Steel

**Compatibility:**

**Yes:** Acetone, Alcohol, Ethyl, Greases, Oils, Commercial Dish Detergents, Gasoline, Lacquer, Solvents, Sodium Hydroxide

**No:** Chlorine, Acids, Ammonium Hydroxide, Bases Strong, Hypochlorite Ion Solutions, Sodium Hypochlorite

**Note:** Exposure to any chlorine based chemical will cause cracking and product failure!

Please note that all applications have variables and conditions that will affect the maximum working pressures. Testing suitability for your application is always recommended.

**Lockwood Products Inc. does not warrant any particular application for it's products.**

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## Vacuum Hose and Fittings:

**Colors:** Blue, Orange

**Material:** Acetal Copolymer

**PVC Adapter:** PVC

**Compatibility:** (*See Standard Acetal Hose*)

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## Anti-static Vacuum Hose and Fittings:

**Material:** Electro Conductive Acetal Copolymer

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*(Anti-Static Surface Resistance: 1.000E3 Ohms. Volume Resistance: <6.000E2 Ohms)*

**Colors:** Black

**Compatibility:** *(See Standard Acetal Hose)*

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## **General Mechanical Properties:**

Line Pressure & Flow Rates:

1/4" System 30-50 PSI 250 gal/hour

1/2" System 20-30 PSI 478 gal/hour

3/4" System 10-20 PSI 1,140 gal/hour

HPT Nozzles up to 1,000 PSI

*Please note that all applications have variables and conditions that will affect the maximum hose pressures. Testing is always recommended whenever possible.*

### **Information regarding FDA (Federal Food and Drug Administration).**

*Loc-Line is made of an acetal copolymer. This material in accordance with the rules in 21CFR 177.2470 meets the requirements of this regulation for food contact. All colorants are used at the recommended let-down ratio to meet 21CFR 178.3297 It is not sanctioned for use with alcoholic or fatty foods at any temperature. The material also meets NSF International Standards 14, 51 and 61 for contact with potable water. Lockwood Products Inc. does not warrant any particular application for its' products*