# CleanLine™

**High Durability Polyethylene Tubing**

SUPERIOR STRESS & CRACK RESISTANCE · IMPERMEABLE TO GASSES MOISTURE · GREATER TENSILE STRENGTH · TASETLESS & ODORLESS HIGH BUST PRESSURE PUNCTURE RESISTANT

## CLEANLINE™ HIGH DURABILITY POLYETHYLENE TUBING

CleanLine™ is a linear, low-density polyethelene tubing that is tasteless and odorless, making it suitable for beverage dispensing and fresh water systems. Its high-strength properties and color availability also make it the tubing of choice for the carwash industry. CleanLine™ is compatible with quick push-to-connect fittings and may be used with pneumatic controlled machinery and color-coded liquid or gas supply lines. It features superior puncture, stress and crack resistance and can withstand high burst pressure. CleanLine™ additionally has exceptional dielectric properties and is impermeable to gasses and moisture.



### AVAILABLE COLORS



A range of colors for easy identification and color coding

### APPLICATIONS

- Carwashes
- Beverage Dispensing
- Fresh water systems
- Pneumatic Controlled Machinery
- Color coded liquid/gas supply lines

### BENEFITS

- Greater tensile strength
- High burst pressure
- Superior stress and crack resistance
- Tasteless and odorless
- Puncture resistance
- Impermeable to gasses and moisture
- Superior dielectric properties
- Works with quick push-to-connect fittings

TECHFLEX® Extruded Tubing Products

# CleanLine™

**High Durability Polyethylene Tubing**

## SIZING CHART

| Part Number | ID | OD | Wall | Std. Length |
|---|---|---|---|---|
| TT-LLD0.170-0.250BL | .170″ | .250″ | .04″ | 100′ |
| TT-LLD0.170-0.250PK | .170″ | .250″ | .04″ | 100′ |
| TT-LLD0.500-0.625BK | .500″ | .625″ | .0625″ | 100′ |
| TT-LLD0.500-0.625PP | .500″ | .625″ | .0625″ | 100′ |
| TT-LLD0.250-0.375CL | .250″ | .375″ | .0625″ | 100′ |
| TT-LLP.250-.375GD | .250″ | .375″ | .0625″ | 100′ |
| TT-LLP.250-.375OR | .250″ | .375″ | .0625″ | 100′ |
| TT-LLP.250-.375PK | .250″ | .375″ | .0625″ | 100′ |
| TT-LLP.250-.375TQ | .250″ | .375″ | .0625″ | 100′ |

*Contact your account representative for custom sizes and colors.

| PHYSICAL PROPERTIES** | Metric | English | Comments |
|---|---|---|---|
| Density | 0.890 - 0.926 g/cc | 0.0322 - 0.0335 lb/in³ | Average value: 0.921 g/cc Grade Count: 22 |
| Particle Size | 400 - 1200 µm | 400 - 1200 µm | Average value: 771 µm Grade Count: 7 |
| Environmental Stress Crack Resistance | 1.00 -1000 hour | 1.00 -1000 hour | Average value: 350 hour Grade Count: 4 |
| Melt Flow | 1.40 - 70.0 g/10min | 1.40 - 70.0 b/10 min | Average value: 24.2 g/10 min Grade Count: 27 |
| **MECHANICAL PROPERTIES**** | **Metric** | **English** | **Comments** |
| Hardness, Shore D | 41.0 -51.0 | 41.0 -51.0 | Average value: 45.8 Grade Count: 12 |
| Tensile Strength, Ultimate | 7.45 - 21.0 MPa | 1080 - 3050 psi | Average value: 14.4 MPa Grade Count: 5 |
| Tensile Strength, Yield | 10.0 23.0 MPa | 1450 - 3340 psi | Average value: 14.1 MPa Grade Count: 9 |
| Elongation at Break | 40.0 -800% | 40.0 -800% | Average value: 302% Grade Count: 8 |
| Flexural Moduls | 0.218 - 0.480 GPa | 31.6 ksi - 69.6 ksi | Average value: 0.400 GPa Grade Count: 8 |
| Dart Drop, Total Energy | 29.0 -37.0 J @ Temperature -40°C | 21.4 - 27.3 ft-lb @ Temperature -40°F | Average value: 33.0 J Grade Count: 2 |
| **THERMAL PROPERTIES**** | **Metric** | **English** | **Comments** |
| Melting Point | 112 - 124°C | 234 - 255°F | Average value: 121°C Grade Count: 16 |
| Vicat Softening Point | 92.0 - 94.0°C | 198 - 201°F | Average value: 92.3°C Grade Count: 8 |
| Brittleness Temperature | -80.0 - -68.0°C | -112 - -90.4°F | Average value: -74.0°C Grade Count: 5 |
| **PROCESSING PROPERTIES**** | **Metric** | **English** | **Comments** |
| Melting Temperature | 160 - 230°C | 320 - 446°F | Average value: 199°C Grade Count: 3 |

**Unless otherwise indicated, the values listed are the typical properties of the material used in manufacture and are intended only for use as a guide. Actual values for application should be determined through field testing.

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