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″	.04″	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.

TECHFLEX
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