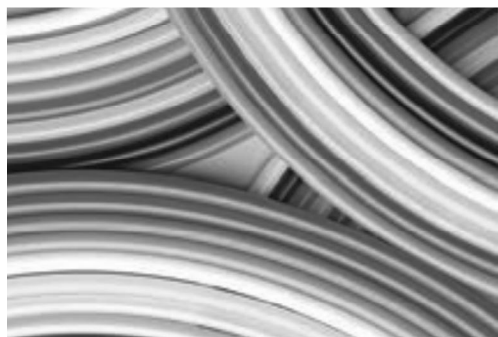


LLDPE TUBES



DMfit[®] tubing is produced from an advanced grade of LLDPE. Its greatest advantage is superior environmental stress cracking resistance (ESCR), greatly exceeding that of ordinary polyethylene tubing as measured by ASTM D-1693 (IGEPAL) tests. Environmental stresses that can shorten the service life of tubing include chemical exposure, aging connections with barb-type fittings, or high vibration loads with connections to compression fittings. Our tubing is compliant to ANSI/NSF-51, 61, WRAS and FDA requirements for food contact applications. Our tubing is available in multiple coding colors, and offers the user :

- Dimensional stability
- Higher burst pressure
- Wide range of available colors.
- Suitable for use with *DMfit*[®] products and those of other manufacturers.
- Uniformity and long-term strength
- Greater tensile strength

Working Pressure and Temperature

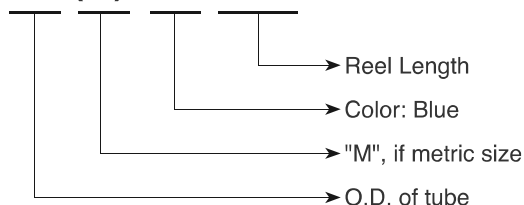
Parameter	Size	5/32"	3/16"	1/4"	5/16"	3/8"	1/2"
		4mm	5mm	6mm	8mm	10mm	12mm
Pressure		230 psi			170 psi		
Tube Tolerances		-0.1mm / +0.1mm					
Temperature		Air -20°C(-4°F) ~ 65°C(150°F) Liquid					

* Pressure values are based on PE tube used at room temperature.

* Consult our representative when using at continuous elevated temperature and pressure.

Order Information

DPE 04 (M) - B - 0500

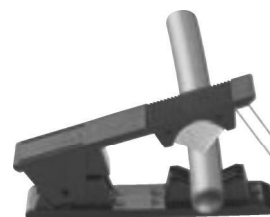


Colors Available

Suffix	Color	LLDPE													PE-RT	
		5/32"	3/16"	1/4"	5/16"	3/8"	1/2"	4mm	5mm	6mm	8mm	10mm	12mm	15mm	1/4"	5/16"
B	Blue	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Y	Yellow	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
W	White	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
N	Natural	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
BK	Black	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
R	Red	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
GR	Gray	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
G	Green	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

TC - Tube Cutter

- *DMfit*[®] Tube Cutter with quality blade is suitable for cutting plastic tubing sizes up to 13mm.



Inch Size

Part No.	Material	O.D. In.	I.D. In.	Wall	Reel Length (Meter)
DPE 01	LLDPE	5/32"	0.094	0.031	500
DPE 03	LLDPE	3/16"	0.125	0.031	400
DPE 04	LLDPE	1/4"	0.17	0.04	300
DPE-RT 04	PE-RT	1/4"	0.17	0.04	300
DPE 05	LLDPE	5/16"	0.216	0.048	200
DPE-RT 05	PE-RT	5/16"	0.216	0.048	200
DPE 06	LLDPE	3/8"	1/4"	0.062	150
DPE 07	LLDPE	1/2"	3/8"	0.062	100

Metric Size

Part No	Material	O.D. In.	I.D. In.	Wall	Reel Length (Meter)
DPE 04M	LLDPE	4	2.5	0.75	500
DPE 05M	LLDPE	5	3.5	0.75	400
DPE 06M	LLDPE	6	4	1	300
DPE 08M	LLDPE	8	6	1	200
DPE 10M	LLDPE	10	7	1.5	150
DPE 12M	LLDPE	12	9	1.5	100
DPE 12M	LLDPE	12	9	1.5	100
DPE 15M	LLDPE	15	11.5	1.75	70

CHEMICAL COMPATIBILITY TABLES

DMfit® has excellent resistance to exposure to organic compounds, industrial chemicals, and gases.

■ Resistance of chemical characteristics for plastic resins & elastomers.

Description (% , °C)	Brass	SUS	Resin		Rubber	
			Acetal	PP	NBR	EPDM
Caustic soda(10%, 20°C)	△	△	◎	○	○	◎
Gasoline	○	○	◎	△	◎	×
Formic acid(25%, 20°C)	×	△	×	◎	○	◎
Air	◎	◎	◎	◎	◎	◎
Mineral oil	○	○	◎	○	◎	×
Grease	○	◎	◎	△	◎	×
Sodium silicate	○	-	◎	◎	◎	◎
Glycerin	○	◎	◎	◎	◎	◎
Ozone	○	○	△	△	○	◎
Animal oil(Lard oil)	○	-	◎	○	◎	○
Kerosene	◎	◎	◎	◎	◎	×
Methane	○	-	◎	◎	◎	×
Methyl alcohol(Methanol)	◎	△	○	○	◎	◎
Water(24°C)	○	○	◎	◎	◎	◎
Water(100°C)	×	○	△	△	-	-
Sea water	△	○	◎	◎	-	-
Bunker oil	△	-	-	○	◎	-
Benzene(Benzol)	×	△	○	△	×	×
Butane	◎	◎	◎	◎	◎	×
Fluorine	×	×	×	×	-	△
Boric acid	○	○	○	◎	◎	◎
Carbon tetrachloride	△	△	○	△	△	×
Oxygen	◎	◎	○	○	○	◎
Petroleum	-	-	○	×	◎	×
Soda ash(Sodium carbonate)	○	△	◎	◎	◎	◎
Calcium hydroxide	△	△	◎	◎	◎	◎
Hydrogen	△	◎	◎	◎	◎	◎
Mercury	×	-	-	◎	◎	◎
Steam(150°C)	○	-	△	×	×	◎
Sodium cyanide	×	-	-	-	◎	◎
Vegetable oil	-	-	○	○	◎	◎
Silicone greases	-	-	◎	△	◎	◎
Silicone oil	-	-	◎	△	◎	◎
Acetone	◎	△	○	△	×	◎
Sulfurous acid gas	-	-	△	○	○	○
Ammonia	△	◎	○	○	◎	◎
Liquefied petroleum gas(LPG)	◎	◎	◎	○	◎	×
Ethyl alcohol(Ethanol)	◎	○	◎	○	◎	◎

Description (% , °C)	Brass	SUS	Resin		Rubber	
			Acetal	PP	NBR	EPDM
Lye solution	-	-	◎	○	○	◎
Hydrochloric acid(10%, 20°C)	×	×	○	◎	-	-
Hydrochloric acid(20%, 20°C)	×	×	△	○	-	-
Hydrochloric acid(20%, 80°C)	×	×	×	×	×	△
Hydrochloric acid(38%, 20°C)	×	×	△	○	○	◎
Ammonium chloride	×	△	○	◎	◎	◎
Calcium chloride	○	△	◎	◎	◎	◎
Naphtha	△	○	◎	△	△	×
Olive oil	△	◎	○	◎	◎	○
Sulfur	×	○	◎	◎	×	◎
Sodium phosphate	×	△	○	◎	◎	◎
Ammonium phosphate	△	△	○	◎	◎	◎
Ammonium nitric	×	○	○	◎	◎	◎
Nitrogen	○	◎	◎	◎	◎	◎
Natural gas	◎	◎	◎	○	◎	×
Acetic acid(10%, 20°C)	-	-	-	-	-	-
Acetic acid(50%, 20°C)	-	-	-	-	-	-
Acetic acid(50%, 70°C)	-	-	-	-	-	-
Acetic acid(100%, 20°C)	-	-	-	-	-	-
Ketones	○	○	○	◎	-	○
Cresol	○	△	△	○	△	×
Chromic acid(2%, 70°C)	×	×	×	△	-	-
Chromic acid(10%, 70°C)	×	×	×	×	-	-
Chromic acid(25%, 70°C)	×	×	×	×	-	-
Chromic acid(2%, 50°C)	×	×	△	△	×	○
Soybean oil	△	○	◎	○	◎	△
Toluene	◎	◎	○	△	×	×
Glucose	◎	◎	◎	◎	◎	◎
Propane	◎	◎	◎	◎	◎	×
Castor oil	○	○	○	◎	◎	○
Sulfuric acid(10%, 20°C)	×	×	○	○	×	○
Sulfuric acid(10%, 70°C)	×	×	×	△	-	-
Sulfuric acid(30%, 20°C)	×	×	△	○	-	-
Sulfuric acid(30%, 70°C)	×	×	×	△	-	-
Sulfuric acid(98%, 20°C)	×	×	×	×	-	-
Aluminium sulfate	×	○	○	◎	◎	◎
Potassium sulfate	○	△	○	◎	◎	◎
Hydrogen sulfide	△	△	○	◎	×	◎

※ ◎ : Very acceptable ○ : Acceptable △ : Slightly Unacceptable × : Unacceptable - : No data

■ Resistance of chemical characteristics for Tube.

Name of chemical	Polyethylene	Remarks
Air	◎	
Alcohol	◎	
Ammonia gas	◎	
Ammonia liquid	○	high temperature.△
Beer	◎	
Benzene	△	
Bromine liquid	×	
Carbon dioxide gas	○	
Caustic soda	○	
Diesel fuel	△	
Ethyl alcohol	○	high temperature.△
Fluor gas, dry	×	
Fuel Oil	△	

Name of chemicals	Polyethylene	Remarks
Hexane	△	
Hydrogen gas	◎	
Lighting gas	△	
Mercury	◎	
Methanol (Methyl Alcohol)	◎	
Milk	◎	
Molasses	◎	
Nickel salts	◎	
Oils, essential	△	
Propane gas	△	
Spindle Oil	△	
Water, high-purity	◎	

※ : Very acceptable, ○: Acceptable, △: Slightly unacceptable, ×: Very unacceptable

※ Differences in data can exist due to extended duration and elevated temperature (Standard data reflects use at ambient temperature.)

※ Consult our representative when using unsuitable liquids.