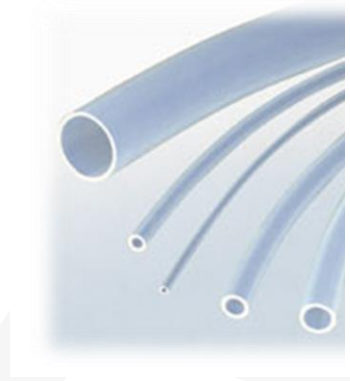


TECHNICAL DATA SHEET

LDPE TUBES

Product: LDPE Pipes
Basic material: LDPE
Color: natural or colour



Application:

- High quality LDPE pipes made of low density polyethylene are designed for pressureless transport of liquid, gaseous and bulk media in the chemical and food industry, agriculture and for laboratory purposes.
- The tubes are made to order with an outer diameter of 4 - 16 mm
- raw material in natural colour for LDPE pipes: FDA approved
- not intended for the transportation oil and gasoline.
- Ideal work. application temperature +5 to +40 ° C. At higher temperatures, the tubes soften and the fault pressure decreases. At lower temperatures, the material solidifies and becomes brittle. The limit temperatures are -10 ° C / + 60 ° C.

Characteristics of LDPE Tubes:

Density (ASTM D792): 0,91 - 0,93 g/cm³
 Operating temperature: +5 °C .. +40 °C The limit temperatures are -10 ° C / + 60 ° C
 Hardness: 45 - 47 ShD
 Tensile strength: 9 MPa

Tab.1 Tube dimensions

Product	Operating pressure	Bending radius min.	Dimensions (mm)	
	[bar]	Mm	O.D.	I.D.
LDPE pipe 4x1	15	20	4+/- 0,1	2 +/- 0,1
LDPE pipe 4,3x0,65	13	20	4,3+/-0,1	3 +/-0,1
LDPE pipe 5x1	13	25	5+/-0,1	3 +/-0,1
LDPE pipe 6x1	13	30	6 +/-0,1	4 +/-0,1
LDPE pipe 8x1	8	40	8 +/-0,1	6 +/-0,1
LDPE pipe 10x1,5	10	50	10+/-0,1	7 +/-0,1



LDPE pipe 10x1	6	60	10 +/-0,1	8 +/-0,1
LDPE pipe 11,9x1,3	7	55	11,9+/-0,15	9,6 +/-0,1
LDPE pipe 12x1,5	9	65	12 +/- 0,15	9 +/-0,15
LDPE pipe 12x1	5	85	12+/-0,15	10 +/-0,15
LDPE pipe 14x1,5	7	95	14 +/- 0,15	11 +/- 0,15
LDPE pipe 14x2	5	90	14 +/- 0,15	10 +/- 0,15
LDPE pipe 16x2	10	100	16+/-0,15	12+/-0,15

Corrections ratios of working pressure for LDPE pipes according to working temperatures are in Tab.2

Tab.2

Temperature	+23°C	30°C	40°C	50°C	60°
Pressure (%)	100%	83%	70%	62%	55%

LDPE pipes are made by the extrusion technology with continuous laser control of outer diameters and continuous control of wall thickness by ultrasonic measurement.

Packaging:

LDPE pipes are produced in coils. The length of coils is according to demand of customer.

Recommendation:

For specific chemical resistance information and technical assistance please contact us on e-mail:

info@fillamentum.com

Producer of LDPE Tubes:

Invoicing and production address:

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