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PLASTIC PIPES AND DIFFERENT PROFILE PRODUCTS

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CONTENT

SMOOTH POLYETHYLENE CASING PIPES	1.0.
POLYETHYLENE PIPES FOR WATER SUPPLY	2.0.
BELOW-GRADE CABLE PROTECTIVE TUBES	3.0.
POLYPROPYLENE PIPES FOR WATER WELLS	4.0.
FLEXIBLE ELECTRIC INSULATION TUBES FROM PVC	5.0.
DIFFERENT KINDS OF POLES	6.0.
DIFFERENT KINDS OF POLYMER GOODS	7.0.

Smooth polyethylene casing pipes

1.0.



Application:

- Used as polyethylene casing for pre-insulated pipes for district heating.

Material:

- High density polyethylene – PE-80, special brand with set carbon, UV stabilizers and anti-oxygen content.

Technical documentation:

- Pipes are comply with such document requirements: EN 253 Pre-insulated pipe systems for hot water networks below grade – pipe assembling, using steel operational pipes with polyurethane thermal isolation and polyethylene external casing.

Pipe nominal dimensions:

Polyethylene (PE) casing pipe ØD, mm	Wall thickness e _{min} , mm
90	3,0
110	3,0
125	3,0
140	3,0
160	3,0
180	3,0
200	3,2
225	3,4
250	3,6
280	3,9
315	4,1
355	4,5
400	4,8
450	5,2
500	5,6
560	6,0
630	6,6


Polyethylene pipes for water supply

2.0.



Pipe nominal dimensions:

	SDR 11	SDR 13,6	SDR 17	SDR 21	SDR 26
PE 80	PN 12,5	PN 10	PN 8	PN 6	PN 5
PE 100	PN 16	PN 12,5	PN 10	PN 8	PN 6
Pipe diameter, D, mm	Wall thickness e _{min} , mm				
20	2,0				
25	2,3	2,0			
32	3,0	2,4	2,0	2,0	
40	3,7	3,0	2,4	2,0	
50	4,6	3,7	3,0	2,4	2,0
63	5,8	4,7	3,8	3,0	2,5
75	6,8	5,6	4,5	3,6	2,9
90	8,2	6,7	5,4	4,3	3,5
110	10,0	8,1	6,6	5,3	4,2
125	11,4	9,2	7,4	6,0	4,8
140	12,7	10,3	8,3	6,7	5,4
160	14,6	11,8	9,5	7,7	6,2
180	16,4	13,3	10,7	8,6	6,9
200	18,2	14,7	11,9	9,6	7,7
225	20,5	16,6	13,4	10,8	8,6
250	22,7	18,4	14,8	11,9	9,6
280	25,4	20,6	16,6	13,4	10,7
315	28,6	23,2	18,7	15,0	12,1
355	32,2	26,1	21,1	16,9	13,6
400	36,3	29,4	23,7	19,1	15,3
450	40,9	33,1	26,7	21,5	17,2
500	45,4	36,8	29,7	23,9	19,1

 - Marked pipes are available in stock

TECHNICAL INFORMATION***Standards***

- Pipes comply with EN 12201-2 standard.

Certification

- Republic of Latvia building material and construction center for product compliance assessment.
- Hygiene certificate.
- Russian compliance certificate.

Material

- Pipes are manufactured from high density polyethylene (HDPE) PE 80 and PE 100 types.

Color

- Pipe color is black with blue lines.

Operational temperature

- Pipe system is designed to be operational at temperatures from -25°C to +40°C.

Packing quantity

- Diameters from DN 20 to 110 mm are available in 100 meter rolls (with orders of more than 500 meters).
- Diameters from DN 75 to 630 mm are available in 6-12 m long pieces.

Pipe system connection

- With compression fittings (DN 20 - DN 110 mm)
- With electric welding fittings
- With contact welding or using contact welding fittings

HDPE pipe system advantages

- Outstanding long term durability (service life up to 50 years),
- highest corrosion strength possible,
- low current resistance,
- biological and chemical inertness,
- connection part and fitting assortment,
- full neutrality towards the environment: PE is 100% recyclable and can be recycled.



Application

- Long term cable protection.
- One of the ends of the smooth pipe is enlarged and equipped with a packing ring, which simplifies the assembly process and ensures that pipe at the connection, is watertight.

Technical documentation

- Pipes satisfy such certification: EN 61386-1 Installation of power and information cables.

Material and color

- Pipes are produced from polyvinyl chloride (PVC-U), gray color.

Work temperature

- Pipe system is planned for temperature ranges from -25°C to +75°C.

Pipe nominal dimensions

PVC pipe ØD, mm	Wall thickness e _{min} , mm	Packing (gab)	Packing (m)
50	2,0	120	720
100	3,2	55	330

Packing and length

- Cable protection pipes are available in 6 m pieces
- Pipes are packed in wood frames and secured with steel wrapping tape.

Advantages

- High durability against compression,
- Easy and safe pipe connection,
- High protection against impact remain even at the lowest temperatures,
- Chemical inertness and high corrosion strength,
- Service life - 50 years.
- Fastest, easiest and most economical cable network construction and preparation for cable entry.

POLYPROPYLENE PIPES FOR WATER WELLS 4.0.



Applications

- Pipes are used as well screens,
- One of the ends of the smooth pipe is enlarged so the assembly process could be performed while melting pieces together. This eases the assembly process and insures pipe connection watertight.

Technical documentation

- Such technical specification is being satisfied - UTN 000324237-4-2009 Polypropylene pipes for water wells.

Material and color

- Pipes are manufactured from polypropylene (PP), yellow color.

Work temperature

- Pipe system is planned for temperature ranges from -25°C to +75°C.

Pipe nominal dimensions

PP pipe diameter ØD, mm	Wall thickness e _{min} , mm	Packing, pcs	Packing, m
125	5,0	40	160

Packing and length

- Polypropylene pipes are available in 4 m pieces,
- Pipes are packed in wood frames and secured with steel wrapping tape.

Advantages

- High durability against compression,
- Easy and safe pipe connection,
- Chemical inertness and high corrosion strength,
- Service life more than 50 years,
- Faster, easiest and most economical water well construction.

**Application:**

- Conduit wire isolation and additional protection for electric wires for up to 1000 V.

Technical documentation:

- Pipes comply with such document demand: GOST 19034

Material and color:

- Soft plasticized polyvinyl chloride (elastic PVC)

Operating temperature

- Planned working temperature from – 60 °C to +105 °C.

Tube sizes

- Pipe inside diameters: from 0.5 mm to 50 mm.

Packaging:

- Is rolled in roles. Weight depends on wire diameter, but does not exceed 25 kg. Customer is informed about the weight of the roll ahead of time.



Gas posts: chosen materials and profile ensure long-lasting and stable post service life. Posts are mainly used for strategically important network and wire marking above the ground (gas pipelines, telecommunication networks and others). All marking posts are patent.

Material: Polyethylene (PE)

Dimensions: L = 1,58 m un L = 2,38 m

Color: pole – light brown, hat - black



Road posts: chosen material and shape insure post return back on its original vertical position. In addition, designed shape and material insure minimal damage to the vehicle in case of an impact.

Material: Polyvinyl chloride (PVC)

Dimensions: L = 1,66 m

Color: white



Marking posts with reflecting regions: chosen material and color guarantee its visibility and mechanical purpose (noticeable and very durable) for road marking in winter time.

Material: Polypropylene (PP)

Dimensions: L = 2,0 m, Ø 26,0 x 2,5 mm

Color: orange

- Tapes
- Rods
- Different profiles

**Materials:**

- polyethylene (HDPE, LDPE)
- polypropylene (PP)
- polyvinyl chloride (PVC)