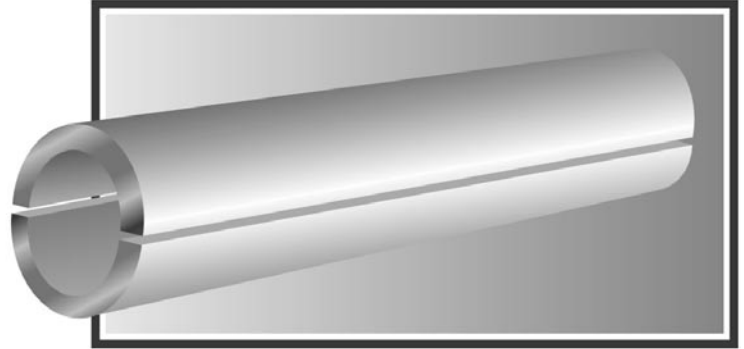


Submittal Data



Urethane foam half shells

Urecon's insulation manufacturing process and related ISO-9000 quality control procedures assure you of the highest quality product on the market today. This unique, time proven, void free process allows us to visually inspect the urethane foam insulation during manufacture. The jacket of choice shall be field applied to suit the application.

Application:

Urecon's polyurethane foam half shells are suitable for existing piping systems that cannot be factory insulated. The applications would include but not be limited to:

- chilled water lines in warmer climates
- potable water or sewer lines to prevent freezing in colder regions.
- warm water or oil lines to 86°C (185°F)
- natural gas collector lines from the well head
- cryogenic lines

Core Pipe:

All types and sizes of pipe may be insulated with Urecon's polyurethane foam half shells. Please specify the type of pipe in order to size the inside diameter of the half shells properly (e.g.: C.T.S. , I.P.S., D.I., or metric)

Insulation:

- Material, rigid polyurethane foam
- Thickness: as required, refer to accompanying thickness chart.
- Density: (ASTM D 1622) 35 to 46 kg/m³ (2.2 to 3.0 lbs/ft³).
- Closed cell content: (ASTM D 2856) 90%, minimum.
- Water absorption: (ASTM D 2842) 4.0% by volume .
- Thermal conductivity: (ASTM C518) 0,020 to 0,026 W/m °C (0.14 to 0.17 Btu • in/ft² • hr • °F).
- Temperature limitations: in service, -45° to 86°C (-49° to 185°F)
- Supplied in 0,91m (3 ft) or 1,52m (5 ft) lengths; other lengths available custom upon request, at a premium.

Fittings:

Two piece polyurethane foam insulation covers may be supplied for field installation to suit almost any fitting you may encounter. These fitting covers shall match the thickness of the insulation on the pipe.

**Urethane foam half shells
submittal data sheet cont'd.**

Polyurethane foam half shells (based on I.P.S. diameter pipe)													
		25mm (1")				35mm (1 1/2")				50mm (2")			
Pipe Size		OD		Foam		OD		Foam		OD		Foam	
<i>In</i>	mm	<i>in</i>	mm	<i>in</i>	mm	<i>in</i>	Mm	<i>In</i>	mm	<i>in</i>	mm	<i>in</i>	mm
1/2"	12	3.00	76	1.1	28	3.67	93	1.4	36	5.25	133	2.2	56
3/4"	19	3.35	85	1.2	30	4.25	108	1.6	41	5.25	133	2.1	53
1"	25	3.75	95	1.2	30	4.50	114	1.7	43	5.25	133	2.1	53
1 1/4"	32	4.00	102	1.2	30	4.50	114	1.4	36	5.50	140	1.9	48
1 1/2"	38	4.25	108	1.2	30	5.00	127	1.6	41	6.13	156	2.1	53
2"	51	4.63	118	1.1	28	5.75	146	1.7	43	6.50	165	2.1	53
2 1/2"	64	5.13	130	1.1	28	6.13	156	1.6	41	6.75	171	1.9	48
3"	76	5.75	146	1.2	30	6.75	171	1.7	43	7.75	197	2.2	56
4"	102	6.75	171	1.1	28	7.75	197	1.6	41	8.75	222	2.2	56
5"	127	8.00	203	1.2	30	8.75	222	1.6	41	10.00	254	2.2	56
6"	152	9.00	229	1.2	30	10.00	254	1.7	43	11.00	279	2.2	56
8"	203	11.00	279	1.2	30	12.00	305	1.7	43	13.25	337	2.3	58
10"	254	13.75	349	1.5	38	14.00	356	1.6	41	15.50	394	2.4	61
12"	305	15.70	399	1.5	38	16.00	406	1.6	41	17.50	445	2.4	61
14"	356	x	x	x	x	17.75	450	1.9	48	18.80	478	2.4	61
16"	406	x	x	x	x	19.75	502	1.9	48	21.00	533	2.5	64
18"	457	x	x	x	x	x	x	x	x	23.00	584	2.5	64
20"	508	x	x	XX	x	x	x	x	x	25.00	635	2.5	64

*Highlighted areas indicate product submitted for this project.

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