

PTFE Pipe Liner

PTFE pipe liner is formed with the special molding. The available sizes range from 2" ~ 20" are applied to lined metal pipes.

Feature:

After process, there is no stress remaining in the pipe substrate, the physical and mechanical strength of longitude and latitude are equal. Therefore, the size of pipe would not be changed when assembled or used in the high temperature condition.

The liner is suitable for lining 6M/2M long pipe which is longer than the same class product offered by other suppliers. Therefore, pipe suppliers can use less flanges to meet the length requirement. They can:

1. Save time for flanges connection, materials assembly and the mechanic operation.
2. Save time for PTFE pipe flaring and reduce the material wastage.
3. Make the assembly efficiently as there are fewer flanges for connection.

Specification:

Unit: mm

Size		Standard wall		Length (m)	Heavy wall		Length (m)
mm	Inch	OD (mm)	T (mm)		OD (mm)	T (mm)	
50	2"	55.4	3.2	6.10	54.1	4.3	6.10
80	3"	84.0	3.3	6.10	80.9	5.0	6.10
100	4"	107.6	3.5	6.10	104.6	4.9	6.10
150	6"	155.3	4.2	6.10	154.8	6.0	6.10
200	8"	205.6	6.0	6.10	207.1	7.6	6.10
250	10"	262.3	6.5	6.10	261.0	9.5	6.10
300	12"	313.0	6.5	6.10	312.0	12.0	6.10
350	14"	343.0	6.2	2.20			
400	16"	392.0	6.5	2.20	390.0	12.0	2.20
450	18"	445.6	10.0	2.20			
500	20"				492.0	14.0	2.20

* Tolerance (liner's OD): below than 6" (inclusive) $\pm 2\%$; 8" (inclusive) and above sizes $\pm 2.5\%$. Thickness $\pm 12\%$.

* Length maybe varied but averagely 6.10 M.

*The liner from 2" ~ 8" is according to sch.40; and from 10" ~ 20" will be according to sch.20.

Material property:

Item	Specific Gravity	Elongation (%)	Tensile strength (kgf/cm ²)
Test method	ASTM D792	ASTM D638	ASTM D638
PTFE	2.14~2.17	200~400	210~350



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