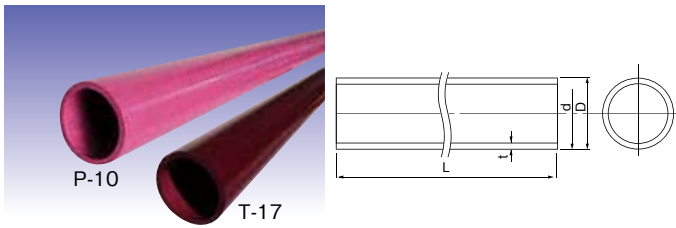


# ESLON CPVC PIPE FOR INDUSTRIAL APPLICATIONS



- Ideal HT Pipe for chemical application. Ultimate chemical and corrosion resistance with particularly formulated C-PVC (Chlorinated PVC) material.
- Specialized 2 types of HT Pipe are available according to chemicals.  
 Type P-10 : For sodium hydroxide  
 Type T-17 : For Acid and Low salinity chlorine water

## Size

Unit:mm

Size	D	t	d	L	Weight (kg/m)
13	18±0.1	2.5±0.2	13	4000±10	0.180
16	22±0.1	3.0±0.3	16		0.265
20	26±0.1	3.0±0.3	20		0.321
25	32±0.1	3.5±0.3	25		0.464
30	38±0.1	3.5±0.3	31		0.561
40	48±0.1	4.0±0.3	40		0.818
50	60±0.15	4.5±0.4	51		1.161
65	76±0.2	5.0±0.5	67		1.651
75	89±0.25	5.8±0.5	77		2.244
100	114±0.25	7.0±0.6	100		3.483
125	140±0.4	8.2±0.6	125		5.025
150	165±0.45	9.7±0.7	146		7.004
200	216±0.80	11.0 <sup>+1.3</sup> <sub>-0.7</sub>	194		10.485
250	267±1.0	13.6 <sup>+1.5</sup> <sub>-0.9</sub>	240		16.023
300	318±1.1	16.2 <sup>+1.7</sup> <sub>-1.1</sub>	286		22.732

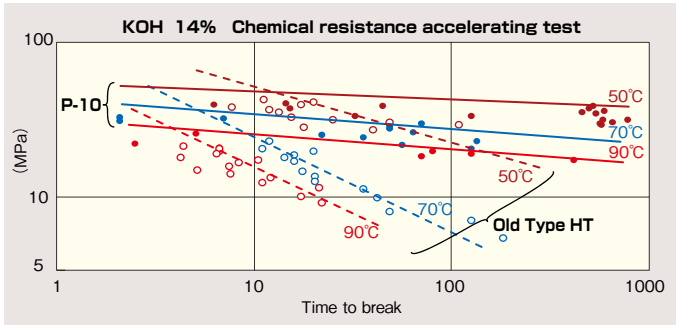
\*Weight is calculated with specific gravity HT: 1.48 for reference.

## Performance

### Test for type P-10

#### ●ESCR test in KOH

P-10 has an excellent sodium hydroxide-resistance.  
 Pipe under lower stress condition performs better durability.



<Test method>Time at failure with constant load in KOH 14% by Launder Stress Cracking Tester.

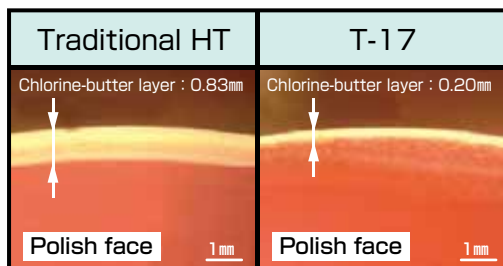
#### ●Erosion test in soda electrolysis plant.

The bleached wall thickness by soda is small and mechanical properties are almost same as before the erosion test.

		Sample1	Sample2	Reference
Terms of use	Size	40A	50A	
	Chemical	NaOH 35%	NaOH 35%	
	Temperature	85°C	85°C	
	Pressure	Non Pressure	Non Pressure	
	Period	1Year	1Year	
Tensile Strength(MPa)		45	48	45~50
Elongation at break point(%)		98	117	80~130
Whitening depth(mm)		0.1	0.1	—
Sample photograph				

### Low salinity water resistance test for type T-17

Low chemical penetration into pipe wall and retard to grow chlorine-butter layer compared with ordinary HT pipe.



<Test condition>In saturated saline water (NaCl 20wt%) with 0.2MPa at 85°C for 8 weeks.