

PIPES max allowed tensile strenght during placement at 20 °C																									8 MPa					
Pipe Serie (S)																														
25		20		16		12,5		10,5		10		8,3		8		6,3		5		4		3,2		2,5		2				
outside diameter		diameter / wall thickness relationship (SDR)																												
mm	wall thickness mm	51		41		33		26		22		21		17,6		17		13,6		11		9		7,4		6		5		
		strenght kgf	wall thickness mm	strenght kgf	wall thickness mm	strenght kgf	wall thickness mm	strenght kgf	wall thickness mm	strenght kgf	wall thickness mm	strenght kgf	wall thickness mm	strenght kgf	wall thickness mm	strenght kgf	wall thickness mm	strenght kgf	wall thickness mm	strenght kgf	wall thickness mm	strenght kgf	wall thickness mm	strenght kgf	wall thickness mm	strenght kgf	wall thickness mm	strenght kgf	wall thickness mm	
10																														
12																														
16																														
20																														
25																														
32																														
40																														
50																														
63																														
75	1.8	338	1.9	356	2.3	429	3.5	536	3.5	642	3.6	659	4.3	779	4.5	813	5.6	996	6.8	1189	8.4	1434	10.3	1708	12.5	2002	15.1	2318		
90	1.8	407	2.2	495	2.8	626	3.5	776	4.1	903	4.3	945	5.1	1110	5.4	1171	6.7	1430	8.2	1719	10.1	2068	12.3	2449	15.0	2883	18.1	3335		
110	2.2	608	2.7	743	3.4	929	4.2	1139	5.0	1346	5.3	1422	6.3	1674	6.6	1749	8.1	2115	10.0	2562	12.3	3079	15.1	3672	18.3	4300	22.1	4977		
125	2.5	785	3.1	969	3.9	1210	4.8	1479	5.7	1743	5.7	1743	7.1	2145	7.4	2230	9.2	2730	11.4	3318	14	3982	17.1	4728	20.8	5553	25.1	6425		
140	2.8	985	3.5	1224	4.3	1495	5.4	1863	6.4	2191	6.7	2289	8.0	2706	8.3	2801	10.3	3423	12.7	4142	15.7	5000	19.2	5943	23.3	6967	28.1	8056		
160	3.2	1286	4.0	1599	4.9	1948	6.2	2443	7.3	2856	7.7	3005	9.1	3519	9.5	3663	11.8	4481	14.6	5439	17.9	6517	21.9	7749	26.6	9091	32.1	10519		
180	3.6	1627	4.4	1980	5.5	2459	6.9	3060	8.2	3610	8.6	3777	10.2	4438	10.7	4642	13.3	5681	16.4	6874	20.1	8235	24.6	9794	29.9	11499	36.1	13309		
200	3.9	1960	4.9	2450	6.2	3079	7.7	3794	9.1	4451	9.6	4683	11.4	5509	11.9	5735	14.7	6979	18.2	8477	22.4	10193	27.4	12117	33.2	14188	40.1	16428		
225	4.4	2487	5.5	3093	6.9	3856	8.6	4768	10.3	5666	10.8	5927	12.8	6959	13.4	7265	16.6	8863	20.5	10741	25.2	12900	30.8	15324	37.4	17976	45.1	20787		
250	4.9	3077	6.2	3873	7.7	4780	9.6	5913	11.4	6969	11.9	7260	14.2	8579	14.8	8919	18.4	10918	22.7	13219	27.9	15876	34.2	18909	41.6	22211	50.1	25658		
280	5.5	3868	6.9	4828	8.6	5980	10.7	7383	12.8	8763	13.4	9153	15.9	10759	16.6	11202	20.6	13691	25.4	16568	31.3	19944	38.3	23717	46.5	27818	56.2	32224		
315	6.2	4906	7.7	6063	9.7	7587	12.1	9390	14.4	11090	15.0	11529	17.9	13625	18.7	14196	23.2	17344	28.6	20986	35.2	25233	43.1	30024	52.3	35200	63.2	40771		
355	7	6241	8.7	7719	10.9	9610	13.6	11896	16.2	14062	16.9	14639	20.1	17246	21.1	18050	26.1	21993	32.2	26630	39.7	32069	48.5	38085	59.0	44742				
400	7.9	7936	9.8	9797	12.3	12218	15.3	15080	18.2	17803	19.1	18639	22.7	21943	23.7	22849	29.4	27915	36.3	33824	44.7	40689	54.7	48390	66.5	56819				
450	8.8	9947	11.0	12372	13.8	15422	17.2	19072	20.5	22558	21.5	23603	25.5	27733	26.7	28956	33.1	35354	40.9	42868	50.3	51508	61.5	61213						
500	9.8	12308	12.3	15369	15.3	19000	19.1	23533	22.8	27875	23.9	29152	28.4	34314	29.7	35786	36.8	43671	45.4	52876	55.8	63502	68.3	75540						
560	11	15472	13.7	19175	17.2	23919	21.4	29530	25.5	34919	26.7	36480	31.7	42906	33.2	44808	41.2	54761	50.8	66271	62.5	79661								