

Table 12-38

UNIFORM PLUMBING CODE OF ABU DHABI:  
AN ENVIRONMENTAL GUIDE FOR  
WATER SUPPLY AND SANITATION

**TABLE 12-38 Polyethylene Plastic Pipe [NFPA 54: Table 6.3(k)]**

	Gas:			Undiluted Propane		
	Inlet Pressure:			279mm w.c.		
	Pressure Drop:			12.7mm w.c.		
	Specific Gravity:			1.50		
INTENDED USE: PE Pipe Sizing Between Integral 2-Stage Regulator at Tank or Second Stage (Low Pressure Regulator) and Building						
	Plastic Tubing Size (CTS) (mm)					
Nominal OD:	15	20	25	32	38	50
Designation:	SDR 9.33	SDR 11.0	SDR 11.00	SDR 10.00	SDR 11.00	SDR 11.00
Length (m)	Capacity in kW					
3	99.6	199.2	360.4	624.1	940.5	1,690.6
6	68.3	137.1	247.3	427.8	647.5	1,163.2
9	54.8	109.9	198.4	342.8	518.6	931.7
12	46.9	94.1	169.9	293.0	445.4	799.9
15	41.6	83.5	150.6	260.8	392.6	709.1
18	37.8	75.6	136.5	236.5	357.5	641.7
21	34.9	69.4	125.4	217.4	328.2	588.9
24	32.2	64.8	116.6	202.2	304.7	547.9
27	30.2	60.7	109.6	189.9	286.6	515.7
30	28.7	57.4	103.4	179.3	270.7	486.4
37.5	25.5	50.7	91.7	158.8	240.0	430.7
45	22.9	46.0	83.2	143.9	217.4	389.7
52.5	21.1	42.5	76.5	132.4	200.1	360.4
60	19.6	39.6	71.2	123.1	186.1	334.0
75	17.6	34.9	63.0	109.3	165.0	295.9
90	15.8	31.6	57.1	99.0	149.4	268.4
105	14.7	29.0	52.4	91.1	137.4	247.0
120	13.5	27.0	48.9	84.7	127.7	229.7
135	12.6	25.5	46.0	79.4	119.8	215.6
150	12.0	24.0	43.4	75.0	113.4	203.6

**Note:** All table entries are rounded to 3 significant digits.

SI: 1m = 3.3 ft.; 1mm = 0.04 in.; 1m<sup>3</sup> = 33.3 ft.<sup>3</sup>; 1bar = 14.5 psi