

TABLE 12-39 Polyethylene Plastic Pipe [NFPA 54: Table 6.3(I)]

			Gas:		Undiluted Propane	
			Inlet Pressure:		0.138bar	
			Pressure Drop:		0.069bar	
			Specific Gravity:		1.50	
INTENDED USE: PE Pipe Sizing Between 0.138bar Sevice Regulator and Line Pressure Regulator						
	Pipe Size (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	917	1,834	3,311	5,743	8,644	15,558
6	630	1,260	2,274	3,926	5,948	10,695
9	507	1,011	1,825	3,164	4,776	8,585
12	434	867	1,562	2,707	4,102	7,354
15	384	768	1,386	2,400	3,633	6,505
18	349	694	1,254	2,174	3,282	5,889
21	319	639	1,154	2,001	3,018	5,421
24	296	595	1,075	1,861	2,810	5,040
27	279	560	1,008	1,746	2,637	4,747
30	263	527	952	1,650	2,491	4,483
38	234	469	844	1,462	2,206	3,956
45	212	425	765	1,324	2,001	3,604
53	195	390	703	1,219	1,840	3,311
60	181	363	653	1,134	1,711	3,077
75	161	322	580	1,005	1,518	2,725
90	145	291	524	911	1,374	2,470
105	134	268	483	838	1,266	2,274
120	125	249	448	779	1,178	2,115
135	117	234	422	733	1,105	1,984
150	110	221	398	691	1,043	1,872
165	105	210	378	656	990	1,779
180	100	200	360	627	943	1,696
195	96	192	346	598	905	1,626
210	92	184	331	574	870	1,562
225	88	177	319	554	838	1,506
240	86	171	308	536	809	1,453
255	83	166	299	519	782	1,406
270	80	161	290	501	759	1,362
285	78	156	282	489	738	1,324
300	76	152	274	475	718	1,289
330	72	144	260	451	680	1,222
360	69	138	248	431	650	1,166
390	66	132	238	413	621	1,116
420	63	127	228	396	598	1,072
450	61	122	220	381	574	1,034
480	59	118	212	369	557	999
510	57	114	206	357	539	967
540	55	110	199	346	522	938
570	54	107	194	334	507	911
600	52	104	188	325	492	885

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

SI: 1m = 3.3 ft.; 1mm = 0.04 in.; 1m³ = 33.3 ft.³; 1bar = 14.5 psi