

Flexible PVC**FRICITION LOSS TABLE****EXCALIBUR**
e x t r u s i o n s**FRICITION LOSS IN P.S.I. PER 100 FT.**

GMP	Irrigation Hose				I.P.S. Hose		
	1/2"	5/8"	3/4"	1"	1/2"	3/4"	1"
1/2"	.30				.22		
1	1.22	.41	.16		.79	.18	
2	4.38	1.47	.61	.17	2.86	.64	.19
3	9.28	3.13	1.29	.37	6.05	1.36	.39
4	15.79	5.33	2.20	.63	10.30	2.31	.67
5	23.86	8.05	3.32	.95	15.56	3.50	1.01
6	33.44	11.29	4.65	1.33	21.80	4.90	1.42
7		15.01	6.18	1.78	28.99	6.52	1.89
8		19.22	7.92	2.27	37.11	8.34	2.42
9		23.91	9.85	2.82		10.37	3.00
10		29.05	11.97	3.42		12.75	3.65
11			14.27	4.08		15.04	4.36
12			16.76	4.80		17.66	5.12
13			19.44	5.65		20.48	5.93
14			22.30	6.38		23.49	6.81
15			25.33	7.24		26.69	7.74
20			43.13	12.34		45.45	13.17
25				18.64			19.91
30				26.12			27.90
35				34.74			37.10

These figures are derived from the Williams and Hazen formula reduced specifically for P.V.C.

Note: Pressure ratings for non-reinforced flexible vinyl hose have not been established by the Society of Plastics Industry due to the many variables that affect a non-rigid product, such as temperature, elasticity, etc. However, **Excalibur** customers have used PVC hose to 60 PSI on open-end sprinkler systems. If pressures are to exceed 60 PSI, **Excalibur** recommends that the purchaser should make their own test to determine the suitability of hose for their own particular purpose. Please note, a drip irrigation system is not classified as an open-end system. Flexible PVC hose is not recommended for closed systems.