SIZE	AVG. OD	AVG. OD TOL.	O of R TOL.	MIN. WALL	AVG. WALL	MAX. WALL	WT(lbs) PER FT.
6"x1/8"	6.625	+/- .020	+/- .050	.105	.122	.140	1.530
6"	6.625	+/- .020	+/- .050	.172	.187	.202	2.275
7"	7.375	+/- .020	+/- .050	.172	.187	.202	2.534
8"	8.625	+/- .020	+/- .075	.172	.187	.202	2.982
9"	9.375	+/- .025	+/- .075	.172	.187	.202	3.239
10"	10.750	+/- .025	+/- .075	.172	.187	.202	3.733
11"	11.375	+/- .025	+/- .075	.172	.187	.202	3.944
12"	12.750	+/- .025	+/- .075	.172	.187	.202	4.440
14"	14.000	+/- .030	+/- .075	.172	.187	.202	4.884
16"	16.000	+/- .030	+/- .075	.172	.187	.202	5.586
18"	18.000	+/- .040	+/- .080	.172	.187	.202	6.750
20"	20.000	+/- .070	+/- .140	.199	.219	.239	8.144
24"	24.000	+/- .090	+/- .180	.230	.250	.270	11.163

PVC Duct Physical Properties

GENERAL	Value	Test Method
Cell Classification	12454	ASTM D1784
Maximum Service Temp.	140°F	
Color	Dark Gray	
Specific Gravity, (g/cu.cm @ 73°F)	1.40 $^{+/-.02}$	ASTM D792
Water Absorption % increase 24 hrs @ 25°C	0.05	ASTM D570
Hardness, Rockwell	110 - 120	ASTM D785
Poisson's Ratio @ 73°F	0.410	
Hazen-Williams Factor	C =150	
MECHANICAL		
Tensile Strength, psi @ 73°F	7,450	ASTM D638
Tensile Modulus of Elasticity, psi @ 73°F	420,000	ASTM D638
Flexural Strength, psi @ 73°F	14,450	ASTM D790
Compressive Strength, psi @ 73°F	9,600	ASTM D695
Izod Impact, notched ft-lb/in @ 73°F	0.75	ASTM D256
THERMAL		
Coefficient of Linear Expansion (in/in/°F)	2.9 x 10^{-5}	ASTM D696
Coefficient of Thermal Conductivity (Cal.)(cm)/(cm2)(Sec.)(°C) BTU/in/hr/ft.2/°F Watt/m/°K	 3.5 x 10^{-4} 1.02 0.147	ASTM C177
Heat Deflection Temperature Under Load (264psi, annealed)	170	ASTM D648
Specific Heat, Cal./°C/gm	0.25	ASTM D2766
ELECTRICAL		
Dielectric Strength, volts/mil	1,413	ASTM D149
Dielectric Constant, 60Hz, 30°F	3.70	ASTM D150
Volume Resistivity, ohm/cm @ 95°C	1.2 x 10^{12}	ASTM D257
GF Harvel PVC Pipe is non-electrolytic		
FIRE PERFORMANCE		
Flammability Rating	V-0	UL-94
Flame Spread Index	<10	
Flame Spread	0-25	ULC
Smoke Generation	80-225	ULC
Flash Ignition Temp.	730°F	
Average Time of Burning (sec.)	<5	ASTM D635
Average Extent of Burning (mm)	<10	
Burning Rate (in/min)	Self Extinguishing	
Softening Starts (approx.)	250°F	
Material Becomes Viscous	350°F	
Material Carbonizes	425°F	