

WEIGHT COMPARISON OF SCHEDULE 40 CONDUIT

Nominal Size inches	Sch 40 PVC lbs/100ft	Sch 80 PVC lbs/100ft	Aluminum Rigid lbs/100ft	Steel lbs/100ft
1/2	15	21	28	79
3/4	21	28	27	105
1	31	41	53	153
1-1/4	42	57	70	201
1-1/2	53	70	86	249
2	71	96	116	334
2-1/2	112	146	183	527
3	166	195	239	690
3-1/2	200	-	288	831
4	236	286	340	982
5	321	397	465	1334
6	417	546	613	1771

PHYSICAL PROPERTIES OF PVC TYPE II

Properties	Unit	Value	ASTM Test Method
Electrical			
Dielectric Strength	volts/mil	1215	D149
Dielectric Constant	60 cps at 30°C 1000 cps at 30°C	3.55 3.22	D150 D150
Power Factor	60 cps at 30°C 1000 cps at 30°C	4.04 4.71	D150 D150
Physical			
Specific Gravity		13.5	D792
Hardness	Durometer D	78	D676
Izod Impact Strength @ 73°F (23°C)	ft.lb/in. notch	15.0	D256
Tensile Strength @ 73°F (23°C)	psi	6000	D638
Compressive Strength	psi	8600	D695
Flexural Strength	psi	11500	D790
Thermal			
Coefficient of Thermal Conductivity	BTU/sec/in ² /°F/in.	0.11	C177
Coefficient of Linear Expansion	per °F x 10 ⁻⁵	5.5	D696
Heat Distortion Temperature at 264 psi	°F	158	D648
Others			
Flammability		self-extinguishing	D635
Water Absorption in 30 days	%	0.6	
Color		charcoal grey	
Light Transmission		opaque	D791

All technical data is believed to be accurate and is presented solely for information and guidance.

PRODUCT SELECTION CHART & DIMENSIONS

Nominal Size inches	10' Product Code	20' Product Code	O.D. inches	I.D. inches	Min. Wall inches	Weight lbs./100	Standard 10' ft./crate
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Schedule 40 Heavy Wall in 10' or 20' Lengths

1/2	032405	032406	0.840	0.622	0.109	15	6,000
3/4	032407	032408	1.050	0.824	0.113	21	4,400
1	032410	032411	1.315	1.049	0.133	31	3,600
1-1/4	032412	032414	1.660	1.380	0.140	42	3,300
1-1/2	032415	032416	1.900	1.610	0.145	53	2,250
2	032420	032421	2.375	2.067	0.154	71	1,400
2-1/2	032425	032426	2.875	2.469	0.203	112	930
3	032430	032431	3.500	3.068	0.216	166	880
3-1/2	032435	032436	4.000	3.548	0.226	200	630
4	032440	032441	4.500	4.026	0.237	236	570
5	032450	032451	5.563	5.047	0.258	321	380
6	032460	032461	6.625	6.065	0.280	417	260

Schedule 80 Extra Heavy Wall in 10' or 20' Lengths

1/2	032505	032506	0.840	0.546	0.147	21	6,000
3/4	032507	032508	1.050	0.724	0.154	28	4,400
1	032510	032511	1.315	0.957	0.179	41	3,600
1-1/4	032512	032514	1.660	1.278	0.191	57	3,300
1-1/2	032515	032516	1.900	1.500	0.200	70	2,250
2	032520	032521	2.375	1.939	0.218	96	1,400
2-1/2	032525	032526	2.875	2.323	0.276	146	930
3	032530	032531	3.500	2.900	0.300	195	880
4	032540	032541	4.500	3.826	0.337	286	570
5	032550	032551	5.563	4.813	0.375	397	380
6	032560	032561	6.625	5.761	0.432	546	260