

Physical Properties and Part Number Guide

Physical Properties of PVC

Property	Unit	Value
Physical		
Specific Gravity	--	1.4 - 1.6
Tensile Strength	psi	5,000 - 7,000
Compressive Strength	psi	8,500 - 9,000
Flexural Strength	psi	11,000 - 12,000
Tensile Modulus	psi	400,000 - 500,000
Izod Impact Strength	[ft-lb] / inch of notch	0.65
Hardness	Durometer D	77
Thermal		
Coefficient of Linear Thermal Expansion	in/(in-°F)	3.0 x 10 ⁻⁵
Deflection Temperature Under Load (264 psi)	°F	140 - 158
Thermal Conductivity	BTU-in/hr-ft ² -°F	1.0 - 1.3
Electrical		
Dielectric Strength	Volts per mil	1,100
Other		
Water Absorption	% max in 24 hrs at 72 °F	0.5%
Flammability	--	Self-extinguishing

Note: Values shown are approximate (typical) and are provided for informational use only

Part Number Guide

Rigid PVC Pipe	Fittings	Fittings - Elbows
<p>Schedule 40 ½-inch 10' Conduit</p> <p>4005010</p> <p>Schedule Trade Size Length in Feet</p>	<p>4" Coupling</p> <p>CP40</p> <p>Product Trade Size</p>	<p>Schedule 40 2" x 90 x 36" Plain End Special Radius Elbow F402009036P</p> <p>F402009036P</p> <p>Schedule Trade Size Degree Radius Plain End</p>

Schedule 40 and 80 Rigid PVC Conduit



Rated for use with 90 degree C wiring
Sunlight resistant per UL 651
Conforms to UL 651 and NEMA TC 2

Trade Size	Part Number		Dimensions (in)		Crate Quantity (ft)	
	10 Foot	20 Foot	Average Outside Diameter	Minimum Wall Thickness	10 Foot	20 Foot
Schedule 40						
½	4005010	4005020	0.840	0.109	6,000	12,000
¾	4007510	4007520	1.050	0.113	4,400	8,800
1	4010010	4010020	1.315	0.133	3,600	7,200
1¼	4012510	4012520	1.660	0.140	3,300	6,600
1½	4015010	4015020	1.900	0.145	2,250	4,500
2	4020010	4020020	2.375	0.154	1,400	2,800
2½	4025010	4025020	2.875	0.203	930	1,860
3	4030010	4030020	3.500	0.216	880	1,760
3½	4035010	4035020	4.000	0.226	630	1,260
4	4040010	4040020	4.500	0.237	570	1,140
5	4050010	4050020	5.563	0.258	380	760
6	4060010	4060020	6.625	0.280	260	520
8*	4080010	4080020	8.625	0.322	140	280
Schedule 80						
½	8005010	8005020	0.840	0.147	6,000	12,000
¾	8007510	8007520	1.050	0.154	4,400	8,800
1	8010010	8010020	1.315	0.179	3,600	7,200
1¼	8012510	8012520	1.660	0.191	3,300	6,600
1½	8015010	8015020	1.900	0.200	2,250	4,500
2	8020010	8020020	2.375	0.218	1,400	2,800
2½	8025010	8025020	2.875	0.276	930	1,860
3	8030010	8030020	3.500	0.300	880	1,760
3½	8035010	8035020	4.000	0.318	630	1,260
4	8040010	8040020	4.500	0.337	570	1,140
5	8050010	8050020	5.563	0.375	380	760
6	8060010	8060020	6.625	0.432	260	520
8*	8080010	8080020	8.625	0.500	140	280

*8 inch products are not included in UL 651 and are therefore not certified by ETL
Product availability varies by region and minimum run quantities may apply

