



GEHR PVC-Type I

Rigid Polyvinylchloride is rated self-extinguishing, has an exceptional chemical resistance and is easy to machine. PVC shows high mechanical strengths, tensile strength and can be used in applications ranging in temperature from +5 °F to +140 °F. It can also be easily solvent cemented and welded.

Characteristics:

- high mechanical strength, tensile strength and hardness
- good insulation properties
- high chemical resistance
- self-extinguishing
- low water absorption
- easy to varnish and glue
- high impact strength
- limited weather resistance

Applications:

Pumps and valves, seals, pipe systems, bearings, brush industry, lamp housing, parts for the dental industry, chemical tanks.

GEHR PVC-Type I ELS* (electrically conductive)

PVC-Type I with improved electrical conductivity.

Volume resistivity $\leq 10^6 \Omega$,
surface resistivity $\leq 10^6 \Omega$.

GEHR PVC-Type II

- higher impact strength at low temperatures (-40 °F).
- much better impact strength than Type I.
- softer material than Type I.

GEHR CPVC (Corzan®)

- good mechanical properties at higher temperatures (+200 °F).
- 80 degreee higher heat resistance than PVC with good mechanical properties up to +220 °F.
- UL rated 94 V-0. It is a homopolymer PVC that has been subjected to a chlorination reaction.

As the chlorine content is increased, the glass transition temperature of the material increase significantly.

- LOI is 60 which is higher than HDPE, PVDF, ABS, polypropylene or PVC.

*Modification of description

● GEHR-Round Rods

PVC

Stock Lengths:

1/4" - 2" = 10 ft

2 1/8" - 8" = 5 ft

≥ 9" - 16" = 2 ft

PVC ELS

Stock Lengths:

2 m or 6' 8"

CPVC

Stock Lengths:

1/4" - 2" = 10 ft

2 1/8" - 4 1/2" = 5 ft

5" - 7" = 4 ft

Lengths: + tolerances

Standard

Colors:

● gray

● black

○ white

Custom

Colors

● yellow

● orange

● red

● green

● blue

● purple



Our gray GEHR-PVC rods are NSF listed:
NSF/ANSI STANDARD 51 Food Equipment
Materials.

NSF/ANSI STANDARD 61 available up to
6" GEHR-PVC Type/gray

available ex stock

Custom extrusion
– time of delivery on request

Ø inch	Tol. -0	GEHR PVC Type I lbs/ft Colors	GEHR PVC Type I ELS* lbs/ft	GEHR PVC Type II lbs/ft	GEHR CPVC CORZAN lbs/ft	Tol. -0	GEHR PVC Type I centerless Ground
							lbs/ft
1/4	0.250	+0.008	0.029 ● ○		0.029	0.033 ●	0.029 ●
5/16	0.312	+0.009	0.051		0.051	0.053 ●	0.051
3/8	0.375	+0.011	0.066 ● ○		0.066 ●	0.074 ●	0.066 ●
7/16	0.437	+0.013	0.089		0.089	0.104	0.089
1/2	0.500	+0.015	0.117 ● ● ○		0.117 ●	0.135 ●	0.117 ●
9/16	0.562	+0.017	0.150		0.150	0.172	0.150
5/8	0.625	+0.019	0.183 ● ● ○		0.183	0.218 ●	0.183 ●
3/4	0.750	+0.022	0.265 ● ● ○	0.278 ●	0.265 ●	0.305 ●	0.265 ● NEW
7/8	0.875	+0.026	0.358 ●		0.358 ●	0.415 ●	0.358 ●
1	1.000	+0.030	0.476 ● ● ○		0.476 ●	0.586 ●	0.476 ●
1 1/16	1.062	+0.032	0.533		0.533	0.675	0.533
1 1/8	1.125	+0.034	0.594 ● ●	0.624 ●	0.594	0.688 ●	0.594 ● NEW
1 1/4	1.250	+0.038	0.736 ● ● ○		0.736 ●	0.842 ●	0.736 ●
1 3/8	1.375	+0.041	0.891 ●		0.891 ●	1.030 ●	0.891 ●
1 1/2	1.500	+0.045	1.060 ● ● ○		1.060 ●	1.229 ●	1.060 ●
1 5/8	1.625	+0.049	1.244 ● ○		1.244 ●	1.485	1.244 ●
1 3/4	1.750	+0.052	1.440 ● ● ○		1.440 ●	1.667 ●	1.440 ●
1 7/8	1.875	+0.056	1.657 ●		1.657	1.930 ●	1.657 ●
2	2.000	+0.060	1.890 ● ● ○	1.985 ●	1.890 ●	2.193 ●	1.890 ● NEW
2 1/8	2.125	+0.064	2.120 ●		2.120	2.454	2.120 ●
2 1/4	2.250	+0.068	2.384 ● ○		2.380 ●	2.793 ●	2.384 ●
2 3/8	2.375	+0.071	2.690 ●		2.690	3.230 ●	2.690 ●
2 1/2	2.500	+0.075	2.963 ● ● ○		2.963 ●	3.496 ●	2.963 ●
2 3/4	2.750	+0.082	3.600 ● ○		3.600	4.080 ●	
3	3.000	+0.090	4.400 ● ● ○		4.400 ●	4.640 ●	
3 1/4	3.250	+0.097	5.010 ● ● ○		5.010 ●	5.703 ●	
3 1/2	3.500	+0.105	5.800 ● ● ○		5.800 ●	6.660 ●	
3 3/4	3.750	+0.113	6.705 ●		6.705	7.640	
4	4.000	+0.120	7.660 ● ○		7.660 ●	8.546 ●	
4 1/8	4.125	+0.124	8.180		8.180	9.240	
4 1/2	4.500	+0.135	9.675 ● ● ○		9.675 ●	11.210 ●	
5	5.000	+0.150	11.900 ● ○		11.900 ●	14.010 ●	
5 1/8	5.125	+0.154	12.500		12.500	14.220	
5 1/4	5.250	+0.157	13.200 ●		13.200	14.900	
5 1/2	5.500	+0.165	14.400 ●		14.400	16.500	
6	6.000	+0.180	17.100 ● ○		17.100 ●	20.400 ●	
6 1/2	6.500	+0.195	20.500 ●			22.950	
7	7.000	+0.210	24.200 ●			26.800	
8	8.000	+0.240	31.500 ●				
9	9.000	+0.315	39.600 ●				
10	10.000	+0.345	47.600 ●				
11	11.000	+0.393	60.600 ●				
12	12.000	+0.393	71.750 ●				
14	14.000	+0.551	93.500 ●				
16	16.000	+0.787	120.000 ●				

*produced in metric

All indicated weights base on average production weights.

PLA-L
PVC
Polyolefins
Acrylic
ABS/Noryl
Acetal
PVDF
ECTFE
Polysulfone
ULTEM
PPS
PEEK

GEHR-Standard Profiles

Stock Lengths:
10 ft

Square Bars

Stock Lengths:

1/8" - 2" = 10 ft

3.150" - 6" = 1 meter

Tolerances on request

Colors:

● gray



 GEHR PVC-Type I Square Tubes				 GEHR PVC-Type I Rectangular Tubes				 GEHR PVC-Type I Angle-Profiles							
A	C	lbs/ft		A	B	C	lbs/ft	A	B	C	lbs/ft				
5/8	0.625	0.060	0.146 ●	1 9/16	1.563	1 3/16	1.187	0.078	0.322	1/2	0.500	1/2	0.500	0.080	0.052 ●
3/4	0.750	0.060	0.150 ●	2	2.000	1	1.000	0.078	0.275 ●	1/2	0.500	1/2	0.500	0.125	0.107
7/8	0.875	0.137	0.251 ●	2 3/4	2.750	1 3/8	1.375	0.098	0.436 ●	3/4	0.750	3/4	0.750	0.080	0.074
1	1.000	0.078	0.181 ●	3.346	3.346	1 3/8	1.375	0.098	0.503 ●	1	1.000	1	1.000	0.040	0.046
1 3/16	1.188	0.060	0.148	3 3/8	3.375	2.283	2.283	0.098	0.671 ●	1	1.000	1	1.000	0.080	0.093
1 3/8	1.375	0.078	0.315 ●	4	4.000	2	2.000	0.098	0.789 ●	1	1.000	1	1.000	0.125	0.144 ●
1 9/16	1.563	0.078	0.288 ●							1	1.000	1	1.000	0.187	0.235
2	2.000	0.078	0.396 ●							1	1.000	1	1.000	0.250	0.256
2 3/8	2.375	0.078	0.443 ●							1 1/4	1.250	1 1/4	1.250	0.125	0.200 ●
3	3.000	0.098	0.738 ●							1 1/4	1.250	1 1/4	1.250	0.187	0.263 ●
3.540	3.540	0.078	1.140 ●							1 1/4	1.250	1 1/4	1.250	0.250	0.340
4.720	4.720	0.098	1.200							1 1/2	1.500	3/4	0.750	0.080	0.112 ●
										1 1/2	1.500	3/4	0.750	0.157	0.150 ●
										1 1/2	1.500	1 1/2	1.500	0.125	0.244 ●
										1 1/2	1.500	1 1/2	1.500	0.187	0.316 ●
										1 1/2	1.500	1 1/2	1.500	0.250	0.419 ●
										2	2.000	2	2.000	0.080	0.190
										2	2.000	2	2.000	0.125	0.288 ●
										2	2.000	2	2.000	0.187	0.469 ●
										2	2.000	2	2.000	0.250	0.576 ●
										2 3/8	2.375	2 3/8	2.375	0.275	0.805 ●
										2 1/2	2.500	2 1/2	2.500	0.250	0.820
										3	3.000	3/4	0.750	0.125	0.268
										3 1/2	3.500	3 1/2	3.500	0.275	

 GEHR PVC-Type I U-Channels				 GEHR PVC-Type I Square Bars			 GEHR PVC-Type I Hexagonal Bars		
A	B	C	lbs/ft	A	Tol. -0	lbs/ft	A	Tol. -0	lbs/ft
0.510	0.590	0.060	0.056 ●	1/8	0.125 +0.004	0.010	3/8	0.375 +0.011	0.080
0.944	0.787	0.060	0.106 ●	1/4	0.250 +0.008	0.038	7/16	0.438 +0.013	0.100
0.944	1.570	0.080	0.190 ●	3/8	0.375 +0.011	0.085 ●	1/2	0.500 +0.015	0.138 ●
1.140	1.650	0.080	0.217 ●	1/2	0.500 +0.015	0.157 ●	9/16	0.563 +0.017	0.175
1.810	2.510	0.120	0.226	5/8	0.625 +0.019	0.232	5/8	0.625 +0.019	0.210
1.870	0.787	0.137	0.293 ●	3/4	0.750 +0.023	0.360 ●	3/4	0.750 +0.023	0.300
2.510	1.456	0.080	0.250 ●	1	1.000 +0.030	0.629 ●	7/8	0.875 +0.026	0.400
2.750	1.370	0.196	0.568	1 1/4	1.250 +0.038	1.033 ●	15/16	0.938 +0.028	0.620
3.540	0.787	0.100	0.306 ●	1 1/2	1.500 +0.045	1.464 ●	1	1.000 +0.030	0.525 ●
4.330	0.787	0.098	0.337 ●	1 3/4	1.750 +0.060	1.860	1 1/8	1.125 +0.034	0.725
4.720	2.360	0.236	1.340	2	2.000 +0.071	2.452 ●	1 1/4	1.250 +0.038	0.880 ●
				3.15	3.150 +0.095	6.300 ●	1 3/8	1.375 +0.041	1.050 ●
				3 1/2	3.500 +0.105	7.400 ●	1 1/2	1.500 +0.045	1.230 ●
				4	4.000 +0.120	10.000 ●	2	2.000 +0.060	2.185 ●
				6	6.000 +0.180	22.500 ●			

available ex stock

Custom extrusion
- time of delivery on request

All indicated weights base on average production weights.


