

Coretec™ Polycarbonate (PC) Tube Application Guide



Superior Performance Coretec™ Polycarbonate (PC) Tube

Many industries benefit from Polycarbonate (PC) tube and pipe. A variety of PC products can help improve work environments and increase safety. Polycarbonates are a group of thermoplastic polymers containing carbonate groups in their chemical structures.

Our customers around the globe prefer Coretec™ tube, pipe and rod because of its many features and benefits such as:

- Abrasion & impact resistance - ideal for industrial applications at many temperatures
- Continuous service temperature 250°F (121°C)
- Dielectric properties & electrical insulation properties
- FDA Approved
- High tensile, shear & flexural strength
- High quality smooth surfaces
- Lighter & more flexible than stainless steel, stronger & safer than glass
- Min OD 0.375" (0.95cm) - Max OD 8" (20.3cm)
- Optically clear, opaque & multiple color additives available
- Optional UV resistant, flame retardant, flow enhancer & filler additives
- Thermal stability & high heat resistance
- Versatility - variety of sizes & shapes
- Well suited for a variety of applications

Coretec PC tube is the perfect choice for very demanding applications as it's largely unaffected by humidity changes, greases, oils and acids. Valued for its adaptability, Coretec PC can be extruded for custom applications, which can be found in multiple industries including:

- Agriculture - components, housings, pipe, sight gauges
- Building & construction - covers, gauges, handles, pipe, rollers, valves
- Electronics - housings, insulators, liners, wire covers
- Energy (oil & gas) - gauges, valves
- Food & beverage - connections, containers, gauges, valves
- Healthcare (medical & pharmaceutical) - fittings, housings, tubing
- Transportation - insulators, liners, relays, wire covers

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Coretec Polycarbonate Tube - Stock Program

Tolerances					
O.D	I.D	Wall	O.D	I.D	Length
3/8	1/4	1/16	±.015	±.015	8'
1/2	3/8	1/16	±.015	±.015	8'
5/8	1/2	1/16	±.015	±.015	8'
3/4	1/2	1/8	±.015	±.015	8'
3/4	5/8	1/16	±.015	±.015	8'
7/8	3/4	1/16	±.015	±.015	8'
1	1/2	1/4	±.015	±.015	8'
1	3/4	1/8	±.015	±.015	8'
1	7/8	1/16	±.015	±.015	8'
1-1/8	1	1/16	±.020	±.015	8'
1-1/4	3/4	1/4	±.020	±.020	8'
1-1/4	1	1/8	±.020	±.015	8'
1-1/4	1-1/8	1/16	±.020	±.020	8'
1-1/2	1	1/4	±.020	±.020	8'
1-1/2	1-1/4	1/8	±.020	±.020	8'
1-1/2	1-3/8	1/16	±.020	±.020	8'
1-3/4	1-1/2	1/8	±.025	±.020	8'
1-3/4	1-5/8	1/16	±.025	±.025	8'
2	1-1/2	1/4	±.025	±.020	8'
2	1-3/4	1/8	±.025	±.025	8'
2	1-7/8	1/16	±.025	±.025	8'
2-1/4	1-3/4	1/4	±.025	±.025	8'
2-1/4	2	1/8	±.025	±.025	8'
2-1/4	2-1/8	1/16	±.025	±.025	8'
2-1/4	2	1/4	±.030	±.025	8'
2-1/2	2-1/4	1/8	±.030	±.025	8'
2-1/2	2-3/8	1/16	±.030	±.025	8'
2-3/4	2-1/4	1/4	±.030	±.025	8'
2-3/4	2-1/2	1/8	±.030	±.030	8'
2-3/4	2-5/8	1/16	±.030	±.030	8'
3	2-1/2	1/4	±.030	±.030	8'

Tolerances					
O.D	I.D	Wall	O.D	I.D	Length
3	2-3/4	1/8	±.030	±.030	8'
3	2-7/8	1/16	±.030	±.030	8'
3-1/8	3	1/16	±.030	±.030	8'
3-3/4	2-3/4	1/4	±.030	±.030	8'
3-3/4	3	1/8	±.030	±.030	8'
3-1/2	3	1/4	±.030	±.030	8'
3-1/2	3-1/4	1/8	±.030	±.030	8'
3-3/4	3-1/4	1/4	±.030	±.030	8'
4	3-1/2	1/4	±.035	±.035	8'
4	3-3/4	1/8	±.030	±.030	8'
4-1/2	4	1/4	±.035	±.035	8'
4-3/4	4-1/4	1/14	±.035	±.035	8'
5	4-1/2	1/4	±.035	±.035	8'
5	4-3/4	1/8	±.030	±.030	8'
5-1/4	4-3/4	1/4	±.035	±.035	8'
5-1/2	5	1/4	±.035	±.035	8'
6	5-1/2	1/4	±.035	±.035	8'
6	5-3/4	1/8	±.030	±.030	8'
7	6-1/2	1/4	±.035	±.055	8'
7	6-3/4	1/8	±.030	±.030	8'
7-1/2	7	1/4	±.035	±.035	8'
8	7-1/2	1/4	±.040	±.040	8'
8	7-3/4	1/4	±.030	±.030	8'
9	8-1/2	1/4	±.045	±.045	8'
10	9-1/2	1/4	±.050	±.050	8'
12	11-1/2	1/4	±.050	±.050	8'

*O.D - Outer Diameter
*I.D - inner Diameter

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