



# FLEX™ GP70 / GP70B

## Product Features

The FLEX™ GP70 / GP70B product lines are made from our most economical industrial grade PVC. Even though this is an industrial grade PVC, it is still FDA approved for food contact and contains no fillers.

### FLEX™ GP70 PVC Tubing - Clear

- Clear and flexible
- General-purpose chemical transfer and other applications not subject to regulatory requirements
- Suitable for use with foods and beverages
- Handles a broad range of chemicals, gases and liquids
- Complies with FDA CFR21 for food packaging
- Meets RoHS, REACH and Proposition 65 requirements

### FLEX™ GP70B PVC Tubing - Black

Has all the benefits of FLEX™ GP70 tubing with the following:

- More resistant to UV exposure than clear tubing
- Does not promote algae growth
- Meets RoHS, REACH and Proposition 65 requirements

## Chemical Resistance

Ratings for ideal conditions 73°F / 25°C

Strong Mineral Acids	Fair
Organic Acids	Good
Weak Acids	Excellent
Bases - Weak	Excellent
Bases - Strong	Good
Solvents	Not Recommended

## Typical Applications

### FLEX™ GP70 - Clear

- Fluid transfer not subject to regulatory requirements
- Suitable for use with foods and beverages
- Handles broad range of chemicals, gases and liquids
- General purpose chemical transfer

### FLEX™ GP70 - Black

- Outdoor applications
- Light sensitive media
- Color coding of processing lines
- Secondary containment of other lines

## Specifications

All FLEX™ GP70 / GP70B tubing products offer the following:

- Meets the U.S. Dept. of Agriculture acceptance standards for contact with meat and poultry food products,
- Acceptable for food contact by the following standard: *Every substance selected to formulate the items below is either "generally recognized as safe" (GRAS), prior-sanctioned, subject to an effective Food Contact Notification (FCN), subject to a Threshold of Regulation (TOR) exemption, or identified on one or more following sections of Title 21 of the Code of Federal Regulations published by the U.S. Food and Drug Administration (FDA): 181.5, 181.27, 178.2010, 172.860, 174.5*
- Meets RoHS, REACH and Proposition 65 requirements

Ingredients & CRF Paragraph No.	
Polyvinyl Chloride	175.300
Plasticizers	181.27
Stabilizers	178.2010
Colorants	178.3970

# FLEX™ GP70 / GP70B Size & Physical Properties

## FLEX™ GP70 Size Chart

Catalog Number	ID Size In.	OD Size In.	Wall	Operating Pressure PSIG 73°F	Case Qty. Ft.
8200-4170	1/16	1/8	1/32	66	100
8200-4220	3/32	5/32	1/32	56	100
8200-4235	3/32	7/32	1/16	64	100
8200-4240	1/8	3/16	1/32	46	100
8200-4245	1/8	1/4	1/16	68	100
8200-4275	5/32	9/32	1/16	60	100
8200-4290	3/16	1/4	1/32	34	100
8200-4295	3/16	5/16	1/16	54	100
8200-4300	3/16	3/8	3/32	70	100
8200-4305	3/16	7/16	1/8	80	100
8200-4330	1/4	5/16	1/32	28	100
8200-4335	1/4	3/8	1/16	46	100
8200-4340	1/4	7/16	3/32	58	100
8200-4345	1/4	1/2	1/8	70	100
8200-4390	5/16	7/16	1/16	40	100
8200-4395	5/16	1/2	3/32	52	100
8200-4400	5/16	9/16	1/8	62	100
8200-4430	3/8	1/2	1/16	34	100
8200-4435	3/8	9/16	3/32	48	100
8200-4440	3/8	5/8	1/8	58	100
8200-4463	7/16	9/16	1/16	30	100
8200-4505	1/2	5/8	1/16	28	100
8200-4510	1/2	11/16	3/32	38	100
8200-4515	1/2	3/4	1/8	44	100
8200-4540	9/16	3/4	3/32	36	100
8200-4560	5/8	3/4	1/16	24	100
8200-4565	5/8	13/16	3/32	34	100
8200-4570	5/8	7/8	1/8	38	100
8200-2600	3/4	7/8	1/16	20	50
8200-2605	3/4	1	1/8	34	50
8200-4605	3/4	1	1/8	34	100
8200-2615	3/4	1-1/8	3/16	48	50
8200-2640	7/8	1-1/8	1/8	30	50
8200-2675	1	1-1/4	1/8	28	50
8200-4675	1	1-1/4	1/8	28	100
8200-2685	1	1-3/8	3/16	38	50
8200-2690	1	1-1/2	1/4	44	50
8200-2710	1-1/4	1-1/2	1/8	24	50
8200-2715	1-1/4	1-5/8	3/16	34	50
8200-2720	1-1/4	1-3/4	1/4	40	50
8200-2745	1-1/2	1-3/4	1/8	18	50
8200-2750	1-1/2	1-7/8	3/16	28	50
8200-2755	1-1/2	2	1/4	36	50
8200-2790	2	2-1/2	1/4	28	50
8200-2805	2-1/4	2-3/4	1/4	24	50
8200-2815	2-1/2	3	1/4	22	50
8200-0840	3	3-1/2	1/4	20	10

## FLEX™ GP70B Size Chart

Catalog Number	ID Size In.	OD Size In.	Wall	Operating Pressure PSIG 73°F	Case Qty. Ft.
8242-4170	1/16	1/8	1/32	66	100
8242-4220	3/32	5/32	1/32	56	100
8242-4235	3/32	7/32	1/16	64	100
8242-4245	1/8	1/4	1/16	68	100
8242-4275	5/32	9/32	1/16	60	100
8242-4290	3/16	1/4	1/32	34	100
8242-4295	3/16	5/16	1/16	54	100
8242-4300	3/16	3/8	3/32	70	100
8242-4335	1/4	3/8	1/16	46	100
8242-4340	1/4	7/16	3/32	58	100
8242-4345	1/4	1/2	1/8	70	100
8242-4390	5/16	7/16	1/16	40	100
8242-4430	3/8	1/2	1/16	34	100
8242-4440	3/8	5/8	1/8	58	100
8242-4505	1/2	5/8	1/16	28	100
8242-4515	1/2	3/4	1/8	44	100
8242-4570	5/8	7/8	1/8	38	100
8242-2605	3/4	1	1/8	34	50
8242-2675	1	1-1/4	1/8	28	50
8242-2755	1-1/2	2	1/4	36	50
8242-2790	2	2-1/2	1/4	28	50
8242-2815	2-1/2	3	1/4	22	50
8242-0840	3	3-1/2	1/4	20	10

## Physical Properties

Model	FLEX™ GP70 / GP70B PVC	
Properties	ASTM Method	Value Rating
Hardness; Shore A (+/- 5)	D2240	70
Vacuum		Not Recommended
Operating temperature range		-10° - 175° F -23° - 82° C
Maximum Working Pressure		73°F / 46PSI 125°F / 23PSI
Testing Size		1/4"ID x 1/16"W
Color		Crystal Clear   Black
Odor		Slight
Taste		None
Specific Gravity; g/cm³	D792	1.19
Tensile Strength; psi	D638	2425
Ultimate Elongation; %	D638	400
Flame Resistance	D568	Self-extinguishing

\* The above is accurate to the best of the Company's knowledge, however, these are typical values and should not be used as a certification. All materials should be tested for suitability in their intended use.