



Food Hose Characteristics and General Application Information

Ratings are for normal or usual range of the specified compounds. Many are modified to meet the needs of specific applications.

Please read and observe all warnings and caution statements throughout this catalog.

Gates Type	Common Name or Trade Name	Elastomer	Weather / Ozone	Abrasion
C2	Modified Nitrile	Acrylonitrile Butadiene	Good	Good
C4	Modified Carboxylated Nitrile	Carboxylated Nitrile	Good	Excellent
D	Gum Rubber, Buna-S	Natural Rubber or Styrene Butadiene	Poor	Excellent
G	PVC	Polyvinyl Chloride (plasticized)	Excellent	Very Good
L	UHMWPE	Ultra-High Molecular Weight Polyethylene	Very Good	Excellent
P	EPDM	Ethylene Propylene Diene	Excellent	Good
S	Sanitron™	Thermoplastic Vulcanizate	Good	Good
T	FEP	Fluorinated Polyethylene	Excellent	Very Good

NOTE: Ratings are for general or typical elastomer formulations. Some hoses have special formulations that change the performance of these characteristics to be more suitable for certain applications, such as improved temperature range. For selection assistance, refer to product catalog pages and also the Hose Finder and Chemical Resistance sections at the back of this catalog.

Contact Gates Product Application Engineering
303-744-5070
fppasupport@gates.com

Hose Name	Tube Type	Cover Type	Smooth or Corrugated	Crush Resistant	Water-Base Liquid	Oil-Base Liquid	Dry Goods	Temp Min/Max
Food Master™ XTreme™ 250 SD CR	Sanitron	EPDM	Smooth	Yes	Yes	-	-	-40°F/230°F
Food Master Beverage 250 SD CR	Sanitron	EPDM	Smooth	Yes	Yes	-	-	-40°F/230°F
Food Master Beverage 150 SD CR	Sanitron	EPDM	Smooth	Yes	Yes	-	-	-40°F/212°F
Food Master Beverage MegaTuff™ CR	Sanitron	UHMW	Corrugated	Yes	Yes	-	-	-40°F/212°F
Food Master Oils and Dairy 150 SD	Modified Nitrile	Modified Nitrile	Both	-	-	Yes	-	-40°F/230°F
Food Master Oils and Dairy 150 D	Modified Nitrile	Modified Nitrile	Smooth	-	-	Yes	-	-40°F/230°F
Food Master Oils and Dairy MegaFlex™	Modified Nitrile	Modified Nitrile	Corrugated	-	-	Yes	-	-40°F/230°F
Food Master Dry Goods (50-150) SD	Buna-S	EPDM	Corrugated	-	-	-	Yes	-40°F/150°F
Food Master Dry Goods (25-40) D	Buna-S	Buna-S	Smooth	-	-	-	Yes	-40°F/150°F
Food Master PVC Dry Goods	PVC	PVC	Corrugated	Yes	-	-	Yes	-10°F/130°F
Food Master PVC Tubing	PVC	PVC	Smooth	-	Yes	Yes	-	-25°F/150°F
Food Master PVC Clear Tubing Braid	PVC	PVC	Smooth	-	Yes	Yes	-	-10°F/130°F
Food Master PVC SD Clear	PVC	PVC	Both	Yes	Yes	Yes	Yes	-10°F/130°F
*Chem Master™ XTreme™ FEP SD	FEP	EPDM	Corrugated	Both	Yes	Yes	-	-40°F/300°F
*Chem Master Plus UHMWPE SD	UHMW	EPDM	Corrugated	Both	Yes	Yes	Yes	-40°F/212°F

* See Chemical Section for hose selection details.



FOOD AND BEVERAGE HOSE

Food Master™ XTreme™ 250SD CR
Formerly - Food & Beverage Master™



Color	Hose I.D.		Hose O.D.		Max. W.P.		Vac.	MBR	Wt. Per ft	Length	Std. Pack	Pkg Code	Gates Item No.
	(in)		(mm)		(in)		(mm)	(psi)	(Bar)				
Blue	1	25.4	1.48	37.6	250	17.2	30.0	3.0	.95	100	PLT	T	3132-0911
Blue	1 1/2	38.1	2.07	52.6	250	17.2	30.0	4.5	.94	100	PLT	T	3132-0907
Blue	2	50.8	2.62	66.5	250	17.2	30.0	6.0	.94	100	PLT	T	3132-0906
Blue	2	50.8	2.62	66.5	250	17.2	30.0	6.0	1.17	200	PLT	T	3132-0205
Blue	3	76.2	3.86	98.0	250	17.2	30.0	18.0	2.44	100	PLT	T	3132-0912
Blue	4	101.6	4.88	124.0	250	17.2	30.0	36.0	3.21	100	PLT	T	3132-0913
Gray	3/4	19.1	1.22	31.0	250	17.2	30.0	2.0	.42	100	PLT	T	3132-0263
Gray	1	25.4	1.48	37.6	250	17.2	30.0	3.0	.52	100	PLT	T	3132-0264
Gray	1 1/2	38.1	2.07	52.6	250	17.2	30.0	4.5	.90	100	PLT	T	3132-0265
Gray	1 1/2	38.1	2.07	52.6	250	17.2	30.0	4.5	.90	200	PLT	T	3132-0066
Gray	2	50.8	2.62	66.5	250	17.2	30.0	6.0	1.21	100	PLT	T	3132-0266
Gray	2 1/2	63.5	3.25	82.6	250	17.2	30.0	12.0	1.82	100	PLT	T	3132-0267
Gray	2 1/2	63.5	3.25	82.6	250	17.2	30.0	12.0	1.81	200	PLT	T	3132-0067
Gray	3	76.2	3.86	98.0	250	17.2	30.0	18.0	2.46	100	PLT	T	3132-0268
Gray	4	101.6	4.88	124.0	250	17.2	30.0	36.0	3.24	100	PLT	T	3132-0269
White	3/4	19.1	1.22	31.0	250	17.2	30.0	2.0	.42	50	PLT	T	3132-5022
White	3/4	19.1	1.22	31.0	250	17.2	30.0	2.0	.42	100	PLT	T	3132-0222
White	1	25.4	1.48	37.6	250	17.2	30.0	3.0	.52	50	PLT	T	3132-5023
White	1	25.4	1.48	37.6	250	17.2	30.0	3.0	.52	100	PLT	T	3132-0216
White	1 1/2	38.1	2.07	52.6	250	17.2	30.0	4.5	.90	50	PLT	T	3132-5024
White	1 1/2	38.1	2.07	52.6	250	17.2	30.0	4.5	.90	100	PLT	T	3132-0217
White	1 1/2	38.1	2.07	52.6	250	17.2	30.0	4.5	.89	200	PLT	T	3132-0223
White	2	50.8	2.62	66.5	250	17.2	30.0	6.0	1.20	50	PLT	T	3132-5025
White	2	50.8	2.62	66.5	250	17.2	30.0	6.0	1.19	100	PLT	T	3132-0218
White	2 1/2	63.5	3.25	82.6	250	17.2	30.0	12.0	1.81	50	PLT	T	3132-5026
White	2 1/2	63.5	3.25	82.6	250	17.2	30.0	12.0	1.82	100	PLT	T	3132-0219
White	3	76.2	3.86	98.0	250	17.2	30.0	18.0	2.46	50	PLT	T	3132-5027
White	3	76.2	3.86	98.0	250	17.2	30.0	18.0	2.47	100	PLT	T	3132-0220
White	4	101.6	4.88	124.0	250	17.2	30.0	36.0	3.24	100	PLT	T	3132-0221

RECOMMENDED FOR: Transfer of milk, juice, beer, soft drinks, pharmaceuticals, cosmetics or water-based products requiring a FDA sanitary hose. Also suitable for many dry bulk products via suction, pneumatic or gravity where a sanitary hose is required.

TEMPERATURE: -40°F to +230°F (-40°C to +110°C) continuous service.

CONSTRUCTION: **Tube:** [Type S \(Sanitron™\), White.](#)
Reinforcement: Multiple plies, synthetic textile, monofilament helix, static filament.
Cover: [Type P \(EPDM\), Smooth with burgundy stripe.](#)
Design Factor: 4:1

COUPLINGS: **1** or stainless steel, **8** or stainless steel, **34, 71.** Reference the Hose Coupling Section.

STANDARDS: Meets FDA requirements, 3A-Class 3 and USDA.

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FOOD AND BEVERAGE HOSE



Food Master™ Beverage 250SD CR
Formerly - Cellar Master™



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CHEMICAL RESISTANCE TABLE

Color	Hose I.D.		Hose O.D.		Max. W.P.		Vac.	MBR	Wt. Per ft	Length	Std. Pack	Pkg Code	Gates Item No.
	(in)	(mm)	(in)	(mm)	(psi)	(Bar)							
White	1	25.4	1.48	37.6	250	17.2	30.0	3.0	.52	100	PLT	T	3132-0180
White	1 1/2	38.1	2.07	52.6	250	17.2	30.0	4.5	.97	100	PLT	T	3132-0181
White	2	50.8	2.62	66.5	250	17.2	30.0	6.0	1.32	100	PLT	T	3132-0182
White	2 1/2	63.5	3.25	82.6	250	17.2	30.0	12.0	1.60	100	PLT	T	3132-0186
White	3	76.2	3.86	98.0	250	17.2	30.0	18.0	2.20	100	PLT	T	3132-0183
White	4	101.6	4.88	124.0	250	17.2	30.0	36.0	2.75	100	PLT	T	3132-0184

RECOMMENDED FOR: Transfer of milk, juice, beer, soft drinks, pharmaceuticals, cosmetics or water-based products requiring a FDA sanitary hose.

TEMPERATURE: -40°F to +230°F (-40°C to +110°C) continuous service.

CONSTRUCTION: **Tube:** [Type S \(Sanitron™\), White.](#)
Reinforcement: Multiple plies, synthetic textile, monofilament helix.
Cover: [Type P \(EPDM\), White with burgundy stripe.](#)
Design Factor: 4:1

COUPLINGS: **1** or stainless steel, **8** or stainless steel, **34, 71.** Reference the Hose Coupling Section.

STANDARDS: Meets FDA requirements, 3A-Class 3 and USDA.



FOOD AND BEVERAGE HOSE

Food Master™ Beverage 150SD CR
Formerly - Cellar Master™ Light



Color	Hose I.D.		Hose O.D.		Max. W.P.		Vac.	MBR	Wt. Per ft	Length	Std. Pack	Pkg Code	Gates Item No.
	(in)		(mm)		(in)		(mm)	(psi)	(Bar)				
Gray	1 1/2	38.1	2.00	50.8	150	10.3	30.0	6.0	.65	100	PLT	T	3132-0171
Gray	2	50.8	2.50	63.5	150	10.3	30.0	12.0	.96	100	PLT	T	3132-0172
Gray	2 1/2	63.5	3.11	79.0	150	10.3	30.0	22.0	1.62	100	PLT	T	3132-0173
Gray	3	76.2	3.75	95.3	150	10.3	30.0	20.0	2.13	100	PLT	T	3132-0174
Gray	4	101.6	4.76	120.9	150	10.3	30.0	28.0	3.16	100	PLT	T	3132-0175

RECOMMENDED FOR: Transfer of milk, juice, beer, soft drinks, pharmaceuticals, cosmetics or water-based products requiring a FDA sanitary hose.

TEMPERATURE: -40°F to +212°F (-40°C to +100°C) continuous service.

CONSTRUCTION: **Tube:** [Type S \(Sanitron™\), White.](#)
Reinforcement: Multiple plies, synthetic textile, monofilament helix.
Cover: [Type P \(EPDM\), Gray with burgundy stripe.](#)
Design Factor: 4:1

COUPLINGS: [1](#) or stainless steel, [8](#) or stainless steel, [34, 71](#). Reference the Hose Coupling Section.

STANDARDS: Meets FDA requirements, 3A-Class 3 and USDA.

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FOOD AND BEVERAGE HOSE



Food Master™ Beverage 150SD CR MegaTuff™



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Color	Hose I.D.		Hose O.D.		Max. W.P. (psi)	Max. W.P. (Bar)	Vac. (In. Hg)	MBR (in)	Wt. Per ft (Lbs.)	Length (ft)	Std. Pack	Pkg Code	Gates Item No.
	(in)	(mm)	(in)	(mm)									
Gray	1	25.4	1.60	40.6	150	10.3	30.0	6.0	.49	100	PLT	T	3132-5034
Gray	1 1/2	38.1	2.00	50.8	150	10.3	30.0	6.0	.68	100	PLT	T	3132-5028
Gray	2	50.8	2.50	63.5	150	10.3	30.0	12.0	.86	100	PLT	T	3132-5029
Gray	2 1/2	63.5	3.11	79.0	150	10.3	30.0	22.0	1.59	100	PLT	T	3132-5035
Gray	3	76.2	3.75	95.3	150	10.3	30.0	28.0	.50	100	PLT	T	3132-5030

RECOMMENDED FOR: Transfer of beer, milk, juice, soft drinks, pharmaceuticals, cosmetics, or water-based products requiring an FDA sanitary hose where exterior abrasion resistance is critical. The UHMWPE cover provides less drag resistance and easy gliding on concrete surfaces, such as breweries, wineries, and dairy facilities.

TEMPERATURE: -40°F to +212°F (-40°C to +100°C).

CONSTRUCTION: **Tube:** [Type S \(Sanitron™\), White.](#)
Reinforcement: Multiple plies, synthetic textile, monofilament helix.
Cover: [Type P \(EPDM\), Gray with Type L \(UHMWPE\) wrap for abrasion resistance.](#)
Design Factor: 4:1

COUPLINGS: [1](#) or stainless steel, [8](#) or stainless steel, [34](#), [71](#). Reference the Hose Coupling Section.

STANDARDS: Meets FDA requirements, 3A-Class 3 and USDA.



Food Master™ Oils and Dairy 150SD
Formerly - Food Master™ Lite™



Corrugated Cover

Color	Hose I.D.		Hose O.D.		Max. W.P.		Vac.	MBR	Wt. Per ft	Length	Std. Pack	Pkg Code	Gates Item No.
	(in)		(mm)		(in)		(mm)	(psi)	(Bar)				
Blue	1 1/2	38.1	2.05	52.1	150	10.3	30.0	4.5	1.10	100	PLT	T	3133-0030
Blue	2	50.8	2.55	64.8	150	10.3	30.0	6.0	1.45	100	PLT	T	3133-0031
Blue	2 1/2	63.5	3.08	78.2	150	10.3	30.0	12.0	1.92	100	PLT	T	3133-0032
Blue	3	76.2	3.58	90.9	150	10.3	30.0	18.0	1.45	100	PLT	T	3133-0033
Gray	1 1/2	38.1	2.05	52.1	150	10.3	30.0	4.5	1.14	100	PLT	T	3133-0056
Gray	2	50.8	2.55	64.8	150	10.3	30.0	6.0	1.49	100	PLT	T	3133-0058
Gray	2 1/2	63.5	3.08	78.2	150	10.3	30.0	12.0	1.95	100	PLT	T	3133-0059
Gray	3	76.2	3.58	90.9	150	10.3	30.0	18.0	2.33	100	PLT	T	3133-0057
Gray	3	76.2	3.58	90.9	150	10.3	30.0	18.0	2.32	200	PLT	T	3133-0051
Gray	4	101.6	4.60	116.8	150	10.3	30.0	24.0	3.13	100	PLT	T	3133-0060
White	3/4	19.1	1.29	32.8	150	10.3	30.0	2.0	.65	100	PLT	T	3133-0001
White	3/4	19.1	1.29	32.8	150	10.3	30.0	2.0	.64	200	PLT	T	3133-0011
White	1	25.4	1.54	39.1	150	10.3	30.0	3.0	.79	100	PLT	T	3133-0002
White	1 1/2	38.1	2.05	52.1	150	10.3	30.0	4.5	1.15	100	PLT	T	3133-0003
White	2	50.8	2.55	64.8	150	10.3	30.0	6.0	1.50	100	PLT	T	3133-0004
White	2 1/2	63.5	3.08	78.2	150	10.3	30.0	12.0	1.98	100	PLT	T	3133-0005
White	3	76.2	3.58	90.9	150	10.3	30.0	18.0	2.35	100	PLT	T	3133-0006
White	4	101.6	4.60	116.8	150	10.3	30.0	24.0	3.12	100	PLT	T	3133-0007
White	4	101.6	4.60	116.8	150	10.3	30.0	18.0	3.13	200	PLT	T	3133-0055
White	6	152.4	6.69	169.9	150	10.3	30.0	36.0	5.59	50	PLT	T	3133-0008

Smooth Cover

Color	Hose I.D.		Hose O.D.		Max. W.P.		Vac.	MBR	Wt. Per ft	Length	Std. Pack	Pkg Code	Gates Item No.
	(in)		(mm)		(in)		(mm)	(psi)	(Bar)				
Blue	1 1/2	38.1	2.05	52.1	150	10.3	30.0	4.5	1.10	100	PLT	T	3133-0075
Blue	2	50.8	2.55	64.8	150	10.3	30.0	6.0	1.46	100	PLT	T	3133-0080
Blue	2 1/2	63.5	3.08	78.2	150	10.3	30.0	12.0	1.92	100	PLT	T	3133-0077
Gray	1	25.4	1.54	39.1	150	10.3	30.0	3.0	.79	100	PLT	T	3133-0074
Gray	1 1/2	38.1	2.05	52.1	150	10.3	30.0	4.5	1.13	100	PLT	T	3133-0071
Gray	2	50.8	2.55	64.8	150	10.3	30.0	6.0	1.49	100	PLT	T	3133-0072
Gray	2 1/2	63.5	3.08	78.2	150	10.3	30.0	12.0	1.95	100	PLT	T	3133-0083
Gray	3	76.2	3.58	90.9	150	10.3	30.0	18.0	2.33	100	PLT	T	3133-0084
Gray	4	101.6	4.60	116.8	150	10.3	30.0	24.0	3.13	100	PLT	T	3133-0093
Gray	6	152.4	6.69	169.9	150	10.3	30.0	36.0	5.60	50	PLT	T	3133-0094
Red	1	25.4	1.54	39.1	150	10.3	30.0	3.0	.79	100	PLT	T	3133-0092
Red	1 1/2	38.1	2.05	52.1	150	10.3	30.0	4.5	1.10	100	PLT	T	3133-0076
Red	2	50.8	2.55	64.8	150	10.3	30.0	6.0	1.46	100	PLT	T	3133-0081
Red	3	76.2	3.58	90.9	150	10.3	30.0	18.0	2.29	100	PLT	T	3133-0090
Red	4	101.6	4.60	116.8	150	10.3	30.0	24.0	3.05	100	PLT	T	3133-0088
Red	6	152.4	6.69	169.9	150	10.3	30.0	36.0	5.60	50	PLT	T	3133-0095

RECOMMENDED FOR: Tank truck, barge, ship, or storage tank transfer of a variety of food products such as animal fat, vegetable oil and other edible oils at temperatures up to +230°F requiring FDA sanitary hose. Also suitable for ice cream and other dairy products requiring 3A-Class 3 standards.

TEMPERATURE: -40°F to +230°F (-40°C to +110°C) continuous service.

CONSTRUCTION: **Tube:** [Type C2 \(Modified Nitrile\), Sanitary FDA and 3A-Class 3, White.](#)
Reinforcement: Multiple plies, synthetic textile, dual steel wire helix.
Cover: [Type C2 \(Modified Nitrile\), Corrugated or smooth with burgundy stripe.](#)
Design Factor: 4:1

COUPLINGS: 1 or stainless steel, 8 or stainless steel, 34, 71. Reference the Hose Coupling Section.

STANDARDS: Tube meets FDA requirements, 3A-Class 3 and USDA. Phthalate free.

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FOOD AND BEVERAGE HOSE



Food Master™ Oils and Dairy 150D
Formerly - Sani-Pure™



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Color	Hose I.D.		Hose O.D.		Max. W.P. (psi)	Max. W.P. (Bar)	Vac. (In. Hg)	MBR (in)	Wt. Per ft (Lbs.)	Length (ft)	Std. Pack	Pkg Code	Gates Item No.
	(in)	(mm)	(in)	(mm)									
White	1 1/2	38.1	2.04	51.8	150	10.3	—	18.0	.97	100	PLT	T	3131-0001
White	2	50.8	2.54	64.5	150	10.3	—	24.0	1.25	100	PLT	T	3131-0002
White	2 1/2	63.5	3.06	77.7	150	10.3	—	30.0	1.66	100	PLT	T	3131-0003
White	3	76.2	3.56	90.4	150	10.3	—	36.0	1.90	100	PLT	T	3131-0004
White	4	101.6	4.60	116.8	150	10.3	—	48.0	2.78	100	PLT	T	3131-0005
White	6	152.4	6.60	167.6	150	10.3	—	72.0	4.10	50	PLT	T	3131-0006

RECOMMENDED FOR: Tank truck, barge, ship, or storage tank transfer (discharge only) of a variety of food products such as animal fat, vegetable oil and other edible oils at temperatures up to +230°F requiring FDA sanitary hose. Also suitable for ice cream and other dairy products requiring 3A-Class 3 standards.

TEMPERATURE: -40°F to +230°F (-40°C to +110°C) continuous service.

CONSTRUCTION: **Tube:** [Type C2 \(Modified Nitrile\), Sanitary FDA and 3A-Class 3, White.](#)
Reinforcement: Multiple plies, synthetic textile, dual steel wire helix.
Cover: [Type C2 \(Modified Nitrile\), White with burgundy stripe.](#)
Design Factor: 4:1

COUPLINGS: 1 or stainless steel, 8 or stainless steel, 34, 71. Reference the Hose Coupling Section.

STANDARDS: Tube meets FDA requirements, 3A-Class 3 and USDA. Phthalate free.



FOOD AND BEVERAGE HOSE

Food Master™ Oils and Dairy 150SD MegaFlex™



Color	Hose I.D.		Hose O.D.		Max. W.P.		Vac.	MBR	Wt. Per ft	Length	Std. Pack	Pkg Code	Gates Item No.
	(in)	(mm)	(in)	(mm)	(psi)	(Bar)							
White	1	25.4	1.47	37.3	150	10.3	30.0	2.0	.58	100	PLT	T	3133-0100
White	1 1/2	38.1	1.99	50.5	150	10.3	30.0	3.0	.87	100	PLT	T	3133-0101
White	2	50.8	2.49	63.2	150	10.3	30.0	4.0	1.14	100	PLT	T	3133-0102
White	3	76.2	3.56	90.4	150	10.3	30.0	9.0	1.92	100	PLT	T	3133-0103
White	4	101.6	4.73	120.1	150	10.3	30.0	12.0	3.07	100	PLT	T	3133-0104

RECOMMENDED FOR: Tank truck, barge, ship, or storage tank transfer of a variety of food products such as animal fat, vegetable oil, and other edible oils at temperatures up to +230°F requiring FDA sanitary hose. Also suitable for ice cream and other dairy products requiring 3A–Class 3 standards.

TEMPERATURE: –40°F to +230°F (–40°C to +110°C) continuous service.

CONSTRUCTION:
Tube: [Type C2 \(Modified Nitrile\). Sanitary FDA and 3A–Class 3. Phthalate free. White.](#)
Reinforcement: Multiple plies, synthetic textile, dual steel wire helix.
Cover: [Type C2 \(Modified Nitrile\). Sanitary FDA and 3A–Class 3. Phthalate free. White with burgundy stripe.](#)
Design Factor: 4:1

COUPLINGS: **1** or stainless steel, **8** or stainless steel, **34, 71**. Reference the Hose Coupling Section.

STANDARDS: Meets FDA requirements, 3A–Class 3.

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FOOD AND BEVERAGE HOSE



Food Master™ Dry Goods (50-150) SD
Formerly - 690SB



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3/16" Tube Thickness

Color	Hose I.D.	Hose O.D.	Max. W.P.	Vac.	MBR	Wt. Per ft	Length	Std. Pack	Pkg Code	Gates Item No.			
	(in)	(mm)	(psi)	(In. Hg)	(in)	(Lbs.)	(ft)						
Gray	1 1/2	38.1	2.23	56.6	150	10.3	30.0	10.0	1.24	100	PLT	T	4693-0205
Gray	2	50.8	2.75	69.9	150	10.3	30.0	12.0	1.76	100	PLT	T	4693-0210
Gray	2 1/2	63.5	3.23	82.0	125	8.6	30.0	15.0	2.00	100	PLT	T	4693-0220
Gray	3	76.2	3.75	95.3	100	6.9	30.0	18.0	2.13	100	PLT	T	4693-0225
Gray	4	101.6	4.71	119.6	75	5.2	30.0	24.0	3.00	100	PLT	T	4693-0235
Gray	5	127.0	5.75	146.1	55	3.8	30.0	30.0	3.98	50	PLT	T	4693-0251
Gray	5	127.0	5.75	146.1	55	3.8	30.0	30.0	4.30	100	PLT	T	4693-0001
Gray	6	152.4	6.91	175.5	50	3.4	30.0	36.0	5.88	50	PLT	T	4693-0260
Gray	6	152.4	6.91	175.5	50	3.4	30.0	36.0	5.88	100	PLT	T	4693-0262

3/8" Tube Thickness

Color	Hose I.D.	Hose O.D.	Max. W.P.	Vac.	MBR	Wt. Per ft	Length	Std. Pack	Pkg Code	Gates Item No.			
	(in)	(mm)	(psi)	(In. Hg)	(in)	(Lbs.)	(ft)						
Gray	4	101.6	4.71	119.6	75	5.2	30.0	36.0	4.99	100	PLT	T	4693-0551

RECOMMENDED FOR: Transfer of bulk food products via suction, pneumatic or gravity systems where FDA sanitary tube is required. Examples: Flour, sugar, syrup and edible grains. Flour, sugar, syrup and edible grains.

CAUTION: Do not use for any type of edible or non-edible oils, acetic foods, or solvents. This includes mustard, vinegar, vegetable oils, and food grade sanitizers. Scheduled visual inspections of the tube and cover is necessary for food safety, optimal performance, and hose longevity. Based on application and use, preventative replacement cycles are recommended. Immediately replace any hose that shows tube or cover deterioration.

TEMPERATURE: -40°F to +150°F (-40°C to +66°C) continuous service.

CONSTRUCTION: **Tube:** [Type D2 \(Natural Rubber\). Sanitary FDA. White. 3/16" thick.](#)
Reinforcement: Multiple plies, synthetic textile, dual steel wire helix.
Cover: [Type P \(EPDM\). Corrugated with burgundy stripe.](#)
Design Factor: 4:1

COUPLINGS: [5*](#), [6*](#), [7*](#), [8](#), [49](#) or [71](#). Reference the Hose Coupling Section. *Can be used only at 50% of rated working pressure.

STANDARDS: Tube meets FDA requirements.



FOOD AND BEVERAGE HOSE

Food Master™ Dry Goods (25-40) D
Formerly - 610W



Color	Hose I.D.		Hose O.D.		Max. W.P.		Vac.	MBR	Wt. Per ft	Length	Std. Pack	Pkg Code	Gates Item No.
	(in)		(mm)		(in)		(mm)	(psi)	(Bar)	(In. Hg)			
Gray	4	101.6	4.56	115.8	40	2.8	—	48.0	2.08	100	PLT	T	3132-0782
Gray	5	127.0	5.56	141.2	30	2.1	—	60.0	2.46	100	PLT	T	3132-0793
Gray	6	152.4	6.56	166.6	25	1.7	—	72.0	3.04	100	PLT	T	3132-0797
Yellow	4	101.6	4.56	115.8	40	2.8	—	48.0	2.22	100	PLT	T	3132-0783
Yellow	5	127.0	5.56	141.2	30	2.1	—	60.0	2.73	100	PLT	T	3132-0794

RECOMMENDED FOR: Pneumatic transfer of flour and other dry foods requiring hose with a sanitary FDA tube.

CAUTION: Do not use for any type of edible or non-edible oils, acetic foods, or solvents. This includes mustard, vinegar, vegetable oils, and food grade sanitizers. Scheduled visual inspections of the tube and cover is necessary for food safety, optimal performance, and hose longevity. Based on application and use, preventative replacement cycles are recommended. Immediately replace any hose that shows tube or cover deterioration.

TEMPERATURE: -40°F to +150°F (-40°C to +66°C) continuous service.

CONSTRUCTION: **Tube:** [Type D2 \(Natural Rubber\). Sanitary FDA. White. 3/16" thick.](#)
Reinforcement: Multiple plies, synthetic textile, static filament.
Cover: [Type C4 \(Carboxylated Nitrile\). Yellow with burgundy stripe.](#)
[Type D3 \(Natural Rubber\). Gray with burgundy stripe.](#)
Design Factor: 4:1

COUPLINGS: [5](#), [7](#), [49](#) or [71](#). Reference the Hose Coupling Section.

STANDARDS: Tube meets FDA requirements.

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Food Master™ PVC (20-65) Clear Tubing



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Color	Hose I.D.		Hose O.D.		Max. W.P.*		Vac.*	MBR	Wt. Per ft	Length	Std. Pack	Pkg Code	Gates Item No.
	(in)	(mm)	(in)	(mm)	(psi)	(Bar)	(In. Hg)	(in)	(Lbs.)	(ft)			
Clear	1/8	3.2	.20	4.8	65	4.5	—	—	.02	100	CTN	T	7744-1512
Clear	3/16	4.8	.25	6.4	50	3.4	—	—	.03	100	CTN	T	7744-1513
Clear	3/16	4.8	.38	9.7	60	4.1	—	—	.04	100	CTN	T	7744-1514
Clear	1/4	6.4	.38	9.7	55	3.8	—	—	.03	100	CTN	T	7744-1515
Clear	1/4	6.4	.50	12.7	60	4.1	—	—	.08	100	CTN	T	7744-1516
Clear	5/16	7.9	.44	11.2	50	3.4	—	—	.04	100	CTN	T	7744-1517
Clear	5/16	7.9	.56	14.2	60	4.1	—	—	.10	100	CTN	T	7744-1518
Clear	3/8	9.5	.50	12.7	45	3.1	—	—	.06	100	CTN	T	7744-1519
Clear	3/8	9.5	.63	16.0	55	3.8	—	—	.12	100	CTN	T	7744-1520
Clear	1/2	12.7	.63	16.0	30	2.1	—	—	.07	100	CTN	T	7744-1521
Clear	1/2	12.7	.75	19.1	45	3.1	—	—	.13	100	CTN	T	7744-1522
Clear	5/8	15.9	.75	19.1	25	1.7	—	—	.08	100	CTN	T	7744-1523
Clear	5/8	15.9	.88	22.4	40	2.8	—	—	.16	100	CTN	T	7744-1524
Clear	3/4	19.1	1.00	25.4	35	2.4	—	—	.19	100	CTN	T	7744-1525
Clear	3/4	19.1	1.25	31.8	45	3.1	—	—	.43	100	CTN	T	7744-1526
Clear	1	25.4	1.25	31.8	25	1.7	—	—	.21	100	CTN	T	7744-1527
Clear	1	25.4	1.50	38.1	35	2.4	—	—	.54	100	CTN	T	7744-1528
Clear	1 1/4	31.8	1.50	38.1	20	1.4	—	—	.28	50	PLT	T	7744-1529
Clear	1 1/4	31.8	1.75	44.5	40	2.8	—	—	.67	50	PLT	T	7744-1530
Clear	1 1/2	38.1	2.00	50.8	35	2.4	—	—	.85	50	PLT	T	7744-1531
Clear	2	50.8	2.50	63.5	35	2.4	—	—	.85	50	PLT	T	7744-1532

NOTE: * Working Pressure and Vacuum at +72°F (+22°C).

RECOMMENDED FOR: This hose has good oil-resistance, excellent resistance to acids, alkalis, and many solvents except esters, ketones and aromatic hydrocarbons. Formulated to meet applicable FDA criteria.

TEMPERATURE: -25°F to +150°F (-31°C to +65°C) continuous service.

CONSTRUCTION: **Tube:** [Type G \(PVC\), Non-toxic, Clear, Phthalate-Free.](#)
Reinforcement: None.
Cover: [Type G \(PVC\), Non-toxic, Clear, Smooth.](#)

COUPLINGS: 19 or stainless steel. Reference the Hose Coupling Section.

STANDARDS: Meets applicable FDA.



FOOD AND BEVERAGE HOSE

Food Master™ PVC Clear Tubing (75-250) Braid
Formerly - Tufflex™ Food



Color	Hose I.D.		Hose O.D.		Max. W.P.*		Vac.*	MBR	Wt. Per ft	Length	Std. Pack	Pkg Code	Gates Item No.
	(in)	(mm)	(in)	(mm)	(psi)	(Bar)	(In. Hg)	(in)	(Lbs.)	(ft)			
Clear	1/4	6.4	.47	11.9	250	17.2	—	—	.07	300	PLT	T	7744-4501
Clear	3/8	9.5	.63	16.0	200	13.8	—	—	.11	300	PLT	T	7744-4502
Clear	1/2	12.7	.75	19.1	200	13.8	—	—	.13	300	PLT	T	7744-4503
Clear	5/8	15.9	.88	22.4	200	13.8	—	—	.15	300	PLT	T	7744-4504
Clear	3/4	19.1	1.03	26.2	150	10.3	—	—	.20	300	PLT	T	7744-4505
Clear	1	25.4	1.31	33.3	125	8.6	—	—	.32	100	PLT	T	7744-4506
Clear	1 1/4	31.8	1.75	44.5	100	6.9	—	—	.63	100	PLT	T	7744-4507
Clear	1 1/2	38.1	2.00	50.8	75	5.2	—	—	.74	100	PLT	T	7744-4508
Clear	2	50.8	2.50	63.5	75	5.2	—	—	1.00	100	PLT	T	7744-4509

NOTE: * Working Pressure and Vacuum at +72°F (+22°C).

RECOMMENDED FOR: Transferring compressed liquid and air in food and beverage applications. Approved for use in USDA meat and poultry plants. Non-toxic, FDA formula approved for food processing. Also suitable for potable water transfer.

TEMPERATURE: -10°F to +130°F (-23°C to +55°C) continuous service.

CONSTRUCTION: **Tube:** [Type G \(PVC\), Non-toxic, Clear.](#)
Reinforcement: Braided, synthetic textile.
Cover: [Type G \(PVC\), Non-toxic, Clear, Smooth.](#)
Design Factor: 4:1

COUPLINGS: Stainless Steel Food Grade.

STANDARDS: Meets FDA requirements and USDA.

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FOOD AND BEVERAGE HOSE



Food Master™ PVC (50-100) SD Clear
Formerly - Master-Flex™ 200CL



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Color	Hose I.D.		Hose O.D.		Max. W.P.*		Vac.*	MBR	Wt. Per ft	Length	Std. Pack	Pkg Code	Gates Item No.
	(in)	(mm)	(in)	(mm)	(psi)	(Bar)	(In. Hg)	(in)	(Lbs.)	(ft)			
Clear	1	25.4	1.29	32.8	100	6.9	28.0	3.0	.30	100	PLT	T	7744-4101
Clear	1 1/4	31.8	1.56	39.6	90	6.2	28.0	4.0	.38	100	PLT	T	7744-4102
Clear	1 1/2	38.1	1.84	46.7	90	6.2	28.0	5.0	.48	100	PLT	T	7744-4103
Clear	2	50.8	2.39	60.7	70	4.8	28.0	6.0	.71	100	PLT	T	7744-4104
Clear	2 1/2	63.5	2.92	74.2	65	4.5	28.0	8.0	.97	100	PLT	T	7744-4105
Clear	3	76.2	3.46	87.9	60	4.1	28.0	9.0	1.27	100	PLT	T	7744-4106
Clear	4	101.6	4.56	115.8	50	3.4	28.0	12.0	2.00	100	PLT	T	7744-4107

NOTE: * Working Pressure and Vacuum at +72°F (+22°C).

RECOMMENDED FOR: Transfer of bulk food products via suction, pneumatic or gravity systems where sanitary hose is required.

TEMPERATURE: -10°F to +130°F (-23°C to +55°C) continuous service.

CONSTRUCTION: **Tube:** [Type G \(PVC\), Sanitary FDA, Clear, Smooth.](#)
Reinforcement: Rigid thermoplastic helix.
Cover: [Type G \(PVC\), Sanitary FDA, Clear, Smooth.](#)
Design Factor: 3:1

COUPLINGS: [1](#), [6](#), [7](#) or [49](#). Reference the Hose Coupling Section.

STANDARDS: Meets FDA requirements, 3A-Class 3 and USDA.



FOOD AND BEVERAGE HOSE

Food Master™ PVC (35-50) SD Clear
Formerly - Master-Flex™ 201CR



Color	Hose I.D.		Hose O.D.		Max. W.P.*		Vac.*	MBR	Wt. Per ft	Length	Std. Pack	Pkg Code	Gates Item No.
	(in)	(mm)	(in)	(mm)	(psi)	(Bar)							
Clear	1	25.4	1.26	32.0	40	2.8	28.0	2.0	.14	100	PLT	T	7744-4301
Clear	1 1/4	31.8	1.61	40.9	50	3.4	28.0	3.0	.28	100	PLT	T	7744-4302
Clear	1 1/2	38.1	1.82	46.2	50	3.4	28.0	3.0	.37	100	PLT	T	7744-4303
Clear	2	50.8	2.44	62.0	40	2.8	28.0	4.0	.57	100	PLT	T	7744-4304
Clear	2 1/2	63.5	2.98	75.7	40	2.8	28.0	5.0	.77	100	PLT	T	7744-4305
Clear	3	76.2	3.54	89.9	35	2.4	28.0	6.0	1.04	100	PLT	T	7744-4306
Clear	4	101.6	4.65	118.1	35	2.4	28.0	8.0	1.65	100	PLT	T	7744-4307

NOTE: * Working Pressure and Vacuum at +72°F (+22°C).

RECOMMENDED FOR: Transfer of bulk food products via suction, pneumatic or gravity systems where sanitary hose is required.

TEMPERATURE: -10°F to +130°F (-23°C to +55°C) continuous service.

CONSTRUCTION: **Tube:** [Type G \(PVC\), Sanitary FDA, Clear, Smooth.](#)
Reinforcement: Rigid thermoplastic helix.
Cover: [Type G \(PVC\), Sanitary FDA, Clear, Corrugated.](#)
Design Factor: 3:1

COUPLINGS: [1](#), [6](#), [7](#) or [49](#). Reference the Hose Coupling Section.

STANDARDS: Meets FDA requirements and USDA.

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Food Master™ PVC Dry Goods (35-40) SD Clear
Formerly - Master-Flex™ 202SW



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Color	Hose I.D.		Hose O.D.		Max. W.P.*		Vac.*	MBR	Wt. Per ft	Length	Std. Pack	Pkg Code	Gates Item No.
	(in)	(mm)	(in)	(mm)	(psi)	(Bar)							
Clear	2	50.8	2.37	60.2	40	2.8	28.0	4.0	.58	100	PLT	T	7744-4420
Clear	2 1/2	63.5	3.01	76.5	40	2.8	28.0	4.0	.85	100	PLT	T	7744-4425
Clear	3	76.2	3.62	91.9	35	2.4	28.0	6.0	1.02	100	PLT	T	7744-4430
Clear	4	101.6	4.54	115.3	35	2.4	28.0	8.0	1.36	100	PLT	T	7744-4440

NOTE: * Working Pressure and Vacuum at +72°F (+22°C).

RECOMMENDED FOR: Transfer of bulk food products via suction, pneumatic or gravity systems where sanitary hose is required. Used in pneumatic conveying systems for powders, pellets or granular materials where a static-conductive hose is needed.

TEMPERATURE: -10°F to +130°F (-23°C to +55°C) continuous service.

CONSTRUCTION: Tube: [Type G \(PVC\), Sanitary FDA, Clear, Smooth.](#)
Reinforcement: Rigid thermoplastic helix with static filament.
Cover: [Type G \(PVC\), Sanitary FDA, Clear, Corrugated.](#)
Design Factor: 3:1

COUPLINGS: [1](#), [6](#), [7](#) or [49](#). Reference the Hose Coupling Section.

STANDARDS: Meets FDA requirements and USDA.